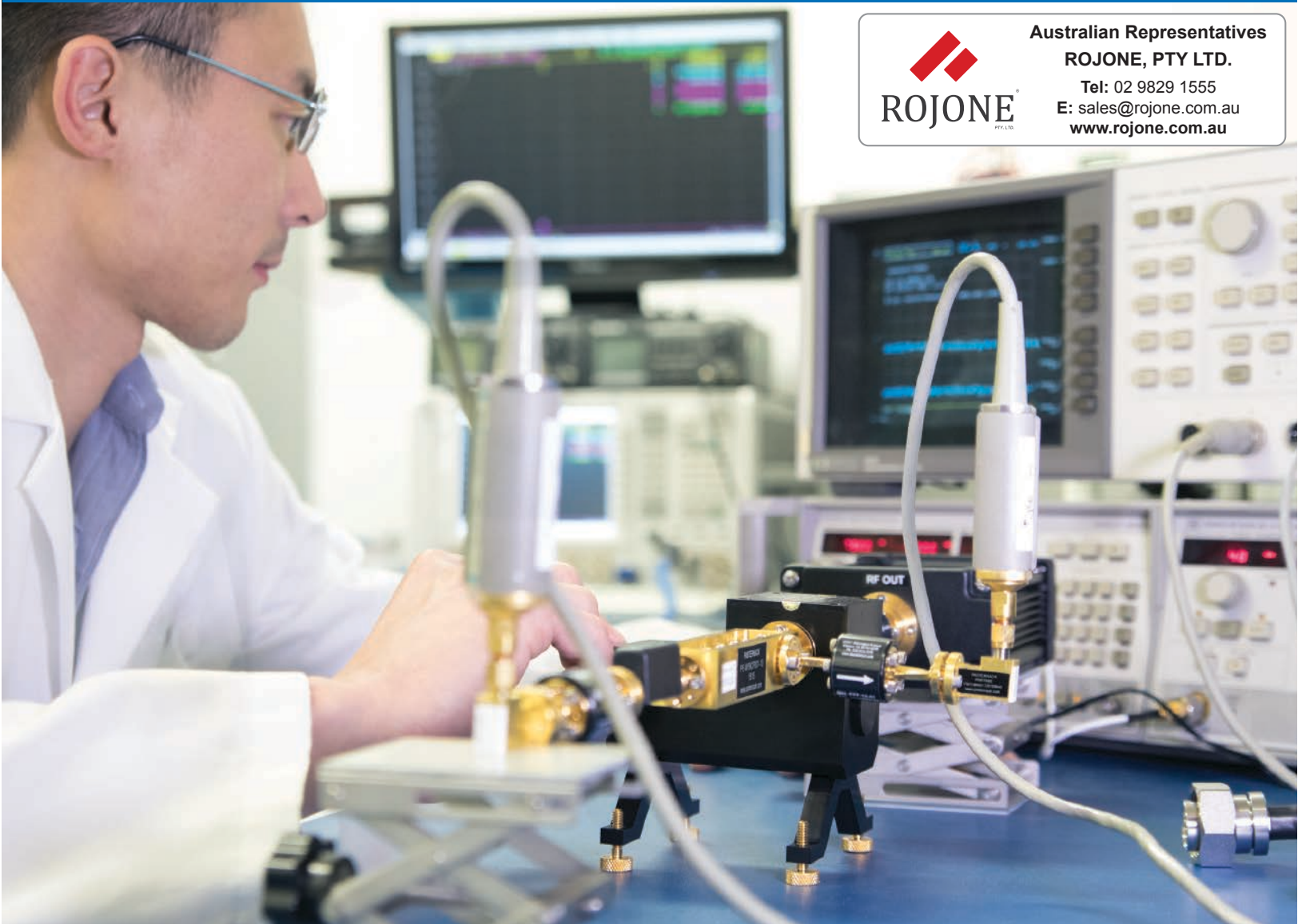


Pasternack

RF Product Guide 2019

New Product Additions



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NEW PRODUCT ADDITIONS

40 GHz Skew Matched Cable Pairs for High-Speed Digital Testing (See pages [210](#))



- 1 ps Delay match
- VSWR of 1.4:1
- 100% tested up to 40 GHz
- Extremely Flexible
- Polarity indicators on cable ends

Portable, 4-in-1 Calibration Kits with 26.5 GHz Calibration Capability (See pages [209](#))



- Lightweight Portable 4-in-1 Package
- Precision 3.5mm Connectors
- Gold Plated Short Open Load Thru
- Supports 26.5 GHz SOLT Calibration
- Calibration Coefficients on Data Sheet

Coaxial RF Lightning Arresters & Surge Protectors (See pages [183](#))



- Freq.: DC to 6GHz
- Max power as high as 2kW
- VSWR 1.1:1
- Low IL
- Multi-strike capability
- IP67(Ingress protection) rated
- Low PIM models available
- CE & RoHS compliant

Coaxial RF Probes and Probe Positioning Hardware (See pages [209](#))



- GS and GSG Probe Series:**
- Max. Op. Freq. of 20 GHz
 - RF probe RL better than 10 dB
 - GS and GSG Probes Feature Gold Plated Contacts
 - Compliant coaxial GSG (or GS) pogo pins

- PCB RF Probe Positioner:**
- RF PCB probe positioner holds coaxial probes
 - Magnetic mounting plate
 - On-Off positioner switch
 - Articulated joints & multi-axis positioner control

Quick Connect RF Loads with 10 Different Connector Options (See pages [203-204](#))



- Quick connect and easy installation RF loads with SMP, SMP-M, BMA, QMA, QN and 4.3-10 connectorized designs
- Quick disconnect load termination freq.: DC to 40GHz
- QD load termination VSWR as low as 1.1:1
- Input power up to 2W Max
- Quick connecting RF load models with chain available

Millimeter-Wave End Launch Connectors Operating to 110 GHz (See pages [116-118](#))



- Millimeter Wave PCB edge launch connection
- Reusable end launch connector installation
- Solder or solder-less end launch connectors
- Rugged support beads
- 40 GHz, 50 GHz, 67 GHz and 110 GHz

Electromechanical Switches with D-SUB Connectors (See pages [184](#))



- 44 models and covers DC up to 26.5 GHz
- SPDT, Multi-Throw and Transfer
- Highly reliable and rated up to 5M lifecycles
- Power handling capability up to 600 watts CW (@ 1 MHz)
- 0.15 dB IL and 90 dB Iso. levels
- Available with Latching or Failsafe Actuators and TTL logic
- Compact package outlines for SMA or N-Type connections
- RoHS & REACH Compliant
- Meet MIL-STD-202 Environmental Test Conditions for Shock and Vibration

Compact Waveguide Gunn Diode Oscillators (See pages [231](#))



- K and Ka Band Center Freq. of 24.125 GHz and 35 GHz
- Mechanical tuning capability ranging up to ± 3 GHz
- Excellent Phase Noise: -98 dBc/Hz typ.
- +10 dBm Power Out with Freq. Stability: -0.2 MHz/°C
- Op. Temp.: -40°C to +85°C
- Compact Aluminum Packages
- Fully Integrated Mil Grade WR-28 and WR-42 WG Ports

Quick-Connect RF Attenuators with QMA, QN and 4.3-10 Connectorized Designs (See pages [55, 59](#))



- Quick connect/disconnect and easy installation fixed attenuator series with QMA, QN and 4.3-10 connectorized designs
- Atten. freq.: DC to 6GHz
- Atten.: 0 to 20dB
- VSWR as low as 1.15:1
- 4.3-10 atten. power handling up to 15W Max with low PIM performance

Phase Locked Oscillators in Six Single Output Freq. between 50 MHz to 6000 MHz (See pages [200](#))



- Desirable Out. Freq.: 50 MHz, 100 MHz, 500 MHz, 1000 MHz, 2000 MHz, 4000 MHz, 6000 MHz
- Phase Noise Performance @ 10 KHz offset: -105 dBc/Hz Typical
- Buffered Output Power Level: +7 dBm Typical
- Low 2nd Harmonic Output: -25 dBc Typical
- Feature a TTL Lock Detect Output Pin
- Operational Temperature Range: -30°C to +70°C
- Rugged SMT, RoHS compliant and meet MIL-STD-202 Test Conditions



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Same-Day Shipping,
Even Custom
Cable Assemblies

NEW PRODUCT ADDITIONS

Cross Guide Couplers for C to K Bands (See pages [226-227](#))



- Each cross guide coupler is available in 1 of 3 configurations:
 - cross guide coupler (4 waveguide ports)
 - cross guide coupler with termination (3 waveguide ports)
 - cross guide coupler with termination and waveguide to coax adapter (2 waveguide ports with either an SMA, type N or 2.92 mm coaxial connection)
- Freq.: 5.85 GHz to 33 GHz in eight waveguide bands
- Available with EIA (CPR) style flanges as well as UG flange style per military standard
- Coupling factors: 20 to 50 dB

Electromechanical Switches Designed for Hi-Rel with up to 10 Million Switching Cycles (See pages [189](#))



- Low IL Repeatability Switch SPDT, SP4T, and SP6T
- Broadband Freq.: DC to 40 GHz
- Low IL Repeatability: 0.03 to 0.05 dB, over 5M to 10M Cycles
- Features: Latching Actuators, Indicators, Self-Cut Off, TTL, & 50° Terminations
- Relay Switch High Input Power Handling up to 70 Watts CW
- Electromechanical Hot Switch Rated up to 1 Watt CW max
- Low IL of 0.3 dB & High Iso. Levels up to 100 dB
- Meet MIL-STD-202 Conditions

Waveguide to Coax Adapters in Sizes WR-10 to WR-430 (See pages [235-237](#))



- Broad selection of different waveguide sizes, flanges, connectors, and materials
- 13 different coax connector options
- Freq.: 1.7 GHz to 110 GHz in 21 waveguide bands
- VSWR 1.20:1
- UG(square/round cover), CMR, CPR and UDR Style flanges

Relay Controlled Programmable Atten. with Precision Stepped Attenuation up to 127 dB (See pages [70](#))



- Broad RF Freq.: DC to 2000 MHz
- Atten.: 0 to 127 dB on these programmable atten.
- Precise Atten. Steps: 0.25 dB to 64 dB
- Low IL: 0.8 dB to 3.5 dB
- 50° and 75° Relay Controlled Programmable Atten.
- Op. Temp.: -20°C to +85°C
- Rugged Coaxial Packages with RoHS Compliant Assemblies

Low PIM Plenum-Rated Cable Assemblies 4.3-10, 7/16 DIN, Type N and 4.1/9.5 (See pages [78, 82](#))



- Low PIM Cable Assembly < -160 dBc
- 100% Tested with PIM Test Results Marked on Cable
- UL910 Plenum Rated SPP-250-LLPL RF Coaxial Cable
- Lightweight and Extremely Flexible Plenum Rated Coax
- Low Loss Coax Cable Assembly Series with Excellent VSWR

Handheld RF Analyzer Phase-Stable Cable Assemblies (See pages [210](#))



- VSWR as low as 1.2:1
- Superior test cable phase stability with flexure: ± 1.5 deg.
- Enhanced amplitude stability with flexure: ± 0.1 dB
- Rugged armor with 1200 psi crush resistance
- UV resistant rugged RF cable jacket
- RF analyzer cable includes test data and are FieldFox®, Site Master®, CellAdvisor® and Sitehawk® compatible

E-Band and W-Band PIN Diode Waveguide Switches (See pages [232](#))



- WG SPST and SPDT reflective switch designs cover E band and W band freq.: 60 GHz to 110 GHz
- Fully integrated TTL driver circuitry With SMA connector control port
- Low IL: 3.5 to 5 dB typical depending on the Model
- High Isolation: 25 dB typ/20 dB min
- WR-10 and WR-12 integrated waveguide switch ports support a UG387/U flange size
- Fast switching speed < 300 nsec
- Rugged mil-grade packaging

RF and Microwave Power Amplifier Accessories (See pages [52](#))



- Heat Sinks with and without Cooling Fans
- Model Specific and General Configurations
- AC and DC Power Supply Options and Control Cable Interfaces
- Amplifier Mating Control Connector Interfaces
- Thermal Gaskets Included

WG Phase Shifters for K to W Bands (See pages [232](#))



- 7 models with freq.: 18-110 GHz (WR-42 to WR-10 WG)
- Have a continuously variable range from 0° to 180°
- 1 dB max IL on phase shifter series
- UG flange style per military standard
- Micrometer allows precise and repeatable phase settings.

BMA Connectors & Adapters (See pages [20, 122-123](#))



- Max. op. freq.: 22 GHz
- VSWR: 1.15:1
- Hermetic BMA interconnect versions available
- Float-mount versions also available
- Gold-Plated BeCu BMA contacts

Straight WG Sections: WR-10 to WR-137 (See pages [233-234](#))



- Waveguide straight section sizes from WR-10 to WR-137
- Straight waveguide section lengths from 3" to 12"
- Frequency range of 5.85 GHz to 110 GHz in 13 WG bands
- VSWR: 1.03:1
- Oxygen Free Hard Copper (OFHC) or copper alloy

Broadband Limiting Amplifier (See pages [46](#))



- Freq.: 1 GHz to 18 GHz
- Used to protect sensitive microwave receivers
- A wide input dynamic range -61 to +20 dBm
- High gain levels of 40 to 80 dB typ. Gain






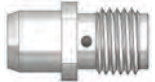


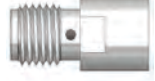



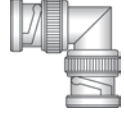

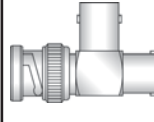

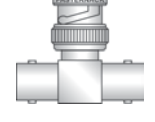
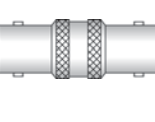
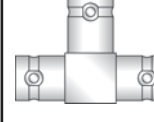
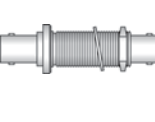
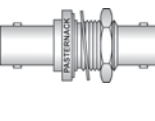
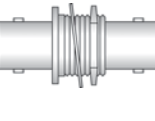
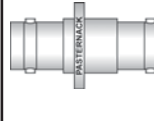

ADAPTERS

See Adapter Locator on Pages 8-13

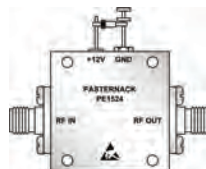
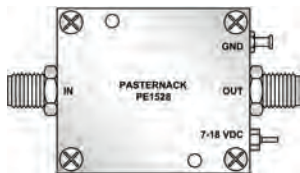
See Page 259 for Mounting Holes

Adapters

See Our Website For Current Pricing & Real-Time Stock Availability!

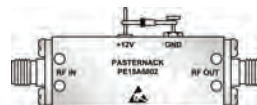
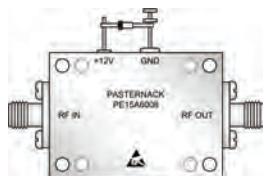
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1	<p>BMA In-Series</p> 	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$52.23</td> </tr> <tr> <td>25-49</td> <td>\$48.57</td> </tr> <tr> <td>50-99</td> <td>\$44.92</td> </tr> <tr> <td>100 +</td> <td>\$41.78</td> </tr> </tbody> </table> <p>NEW</p> <p>Slide-On BMA Jack to Slide-On BMA Jack</p> <p>VSWR 1.2:1 to 22 GHz</p> <p>Model No: PE91395</p>	PRICE		1-24	\$52.23	25-49	\$48.57	50-99	\$44.92	100 +	\$41.78	<p>BMA Between Series</p> 	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$104.71</td> </tr> <tr> <td>25-49</td> <td>\$97.38</td> </tr> <tr> <td>50-99</td> <td>\$90.05</td> </tr> <tr> <td>100 +</td> <td>\$83.77</td> </tr> </tbody> </table> <p>NEW</p> <p>Slide-On BMA Plug to SMA Male</p> <p>VSWR 1.15:1 to 18 GHz</p> <p>Model No: PE91396</p>	PRICE		1-24	\$104.71	25-49	\$97.38	50-99	\$90.05	100 +	\$83.77																				
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50-99	\$39.03																																											
100 +	\$36.30																																											
5	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$17.97</td> </tr> <tr> <td>25-49</td> <td>\$16.71</td> </tr> <tr> <td>50-99</td> <td>\$15.45</td> </tr> <tr> <td>100 +</td> <td>\$14.38</td> </tr> </tbody> </table> <p>BNC Female to BNC Male Tee</p> <p>Max. Freq. 4 GHz</p> <p>Model No: PE9001</p>	PRICE		1-24	\$17.97	25-49	\$16.71	50-99	\$15.45	100 +	\$14.38	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$9.85</td> </tr> <tr> <td>25-49</td> <td>\$9.16</td> </tr> <tr> <td>50-99</td> <td>\$8.47</td> </tr> <tr> <td>100 +</td> <td>\$7.88</td> </tr> </tbody> </table> <p>BNC Female to BNC Female</p> <p>VSWR 1.3:1 to 4 GHz</p> <p>Model No: PE9084</p>	PRICE		1-24	\$9.85	25-49	\$9.16	50-99	\$8.47	100 +	\$7.88	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$18.62</td> </tr> <tr> <td>25-49</td> <td>\$17.32</td> </tr> <tr> <td>50-99</td> <td>\$16.01</td> </tr> <tr> <td>100 +</td> <td>\$14.90</td> </tr> </tbody> </table> <p>BNC Female to BNC Female Tee</p> <p>VSWR 2.1:1 to 100 MHz</p> <p>Model No: PE9003</p>	PRICE		1-24	\$18.62	25-49	\$17.32	50-99	\$16.01	100 +	\$14.90	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$68.20</td> </tr> <tr> <td>25-49</td> <td>\$63.43</td> </tr> <tr> <td>50-99</td> <td>\$58.65</td> </tr> <tr> <td>100 +</td> <td>\$54.56</td> </tr> </tbody> </table> <p>BNC Female to BNC Female Bulkhead-Mounting Hole B06</p> <p>Model No: PE9420</p>	PRICE		1-24	\$68.20	25-49	\$63.43	50-99	\$58.65	100 +	\$54.56
PRICE																																												
1-24	\$17.97																																											
25-49	\$16.71																																											
50-99	\$15.45																																											
100 +	\$14.38																																											
PRICE																																												
1-24	\$9.85																																											
25-49	\$9.16																																											
50-99	\$8.47																																											
100 +	\$7.88																																											
PRICE																																												
1-24	\$18.62																																											
25-49	\$17.32																																											
50-99	\$16.01																																											
100 +	\$14.90																																											
PRICE																																												
1-24	\$68.20																																											
25-49	\$63.43																																											
50-99	\$58.65																																											
100 +	\$54.56																																											
6	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$21.36</td> </tr> <tr> <td>25-49</td> <td>\$19.86</td> </tr> <tr> <td>50-99</td> <td>\$18.37</td> </tr> <tr> <td>100 +</td> <td>\$17.09</td> </tr> </tbody> </table> <p>BNC Female to BNC Female Bulkhead</p> <p>VSWR 1.5:1 to 4 GHz</p> <p>Model No: PE9093</p>	PRICE		1-24	\$21.36	25-49	\$19.86	50-99	\$18.37	100 +	\$17.09	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$24.25</td> </tr> <tr> <td>25-49</td> <td>\$22.55</td> </tr> <tr> <td>50-99</td> <td>\$20.86</td> </tr> <tr> <td>100 +</td> <td>\$19.40</td> </tr> </tbody> </table> <p>BNC Female to BNC Female Bulkhead Bulkhead</p> <p>VSWR 1.5:1 to 4 GHz</p> <p>Model No: PE9172</p>	PRICE		1-24	\$24.25	25-49	\$22.55	50-99	\$20.86	100 +	\$19.40	 <table border="1"> <thead> <tr> <th colspan="2">PRICE</th> </tr> </thead> <tbody> <tr> <td>1-24</td> <td>\$14.16</td> </tr> <tr> <td>25-49</td> <td>\$13.17</td> </tr> <tr> <td>50-99</td> <td>\$12.18</td> </tr> <tr> <td>100 +</td> <td>\$11.33</td> </tr> </tbody> </table> <p>BNC Female to BNC Female 4 Hole Flange-Mounting Hole A03</p> <p>VSWR 1.3:1 to 1,000 MHz</p> <p>Model No: PE9106</p>	PRICE		1-24	\$14.16	25-49	\$13.17	50-99	\$12.18	100 +	\$11.33	<p>BNC Between Series</p> 										
PRICE																																												
1-24	\$21.36																																											
25-49	\$19.86																																											
50-99	\$18.37																																											
100 +	\$17.09																																											
PRICE																																												
1-24	\$24.25																																											
25-49	\$22.55																																											
50-99	\$20.86																																											
100 +	\$19.40																																											
PRICE																																												
1-24	\$14.16																																											
25-49	\$13.17																																											
50-99	\$12.18																																											
100 +	\$11.33																																											

GAIN BLOCK AMPLIFIERS



Amplifier Type	Frequency Band (GHz.)	Gain (dB)	Gain Var. ±(dB)	NF (dB)	P1dB (dBm)	IP3 (dBm)	DC Power (V/mA)	ECCN	Model No	1	2-4	5-9	10+	ROW	
Gain Block, High Rel	500 MHz - 2	17	0.4	1.8		25	12/70	EAR99	PE15A8004	\$937.80	\$881.53	\$834.64	\$797.13	23	
		50	1.8				12/180	EAR99	PE15A8005	\$1,180.93	\$1,110.07	\$1,051.03	\$1,003.79	24	
Gain Block	1 - 4	26		2.5	15		12/120	EAR99	PE1519	\$962.50	\$904.75	\$856.63	\$818.13	25	
	2 - 4	25	0.5				12/120	EAR99	PE1520	\$812.91	\$764.14	\$723.49	\$690.97	26	
	2 - 6	26		3			12/120	EAR99	PE1521	\$822.67	\$773.31	\$732.18	\$699.27	27	
	2 - 18	23	1	3.5			13	12/150	EAR99	PE1524	\$1,151.87	\$1,082.76	\$1,025.16	\$979.09	28
	4 - 8	26	0.5	3			15	12/100	EAR99	PE1522	\$869.67	\$817.49	\$774.01	\$739.22	29
Gain Block, High Rel	6 - 12	12	0.4	2.3	10	20	12/80	EAR99	PE15A8006	\$1,319.88	\$1,240.69	\$1,174.69	\$1,121.90	30	
		17	0.6		20		12/160	EAR99	PE15A8007	\$1,736.68	\$1,632.48	\$1,545.65	\$1,476.18	31	
Gain Block	6 - 18	22	1	4.5	13		12/150	EAR99	PE1523	\$1,075.07	\$1,010.57	\$956.81	\$913.81	32	

LIMITING AMPLIFIERS



Amplifier Type	Frequency Band (GHz.)	Gain (dB)	Gain Var. ±(dB)	NF (dB)	Input Power (dBm)	Psat (dBm)	DC Power (V/mA)	ECCN	Model No	1	2-4	5-9	10+	ROW
Limitings, High Rel	1 - 2	60	3	3	-40 to 10	19	13/250	EAR99	PE15A6002	\$2,228.97	\$2,095.23	\$1,983.78	\$1,894.62	33
	2 - 4	40			-20 to 10		15/200	EAR99	PE15A6015	\$2,396.60	\$2,252.80	\$2,132.97	\$2,037.11	34
	2 - 6	80	3	4	-61 to 10	15	13/550	EAR99	PE15A6007	\$2,857.15	\$2,685.72	\$2,542.86	\$2,428.58	35
	2 - 8	40	2	5	-20 to 20	19	13/300	EAR99	PE15A6008	\$2,197.12	\$2,065.29	\$1,955.44	\$1,867.55	36
	6 - 18			4			13/300	EAR99	PE15A6012	\$2,674.48	\$2,514.01	\$2,380.29	\$2,273.31	37

LINEAR AMPLIFIERS

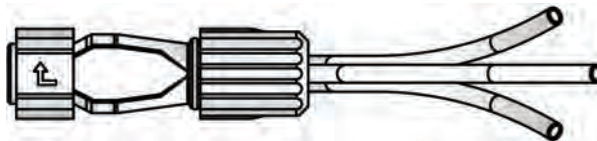


Amplifier Type	Frequency Band (GHz.)	Gain (dB)	Gain Var. ±(dB)	NF (dB)	P1dB (dBm)	IP3 (dBm)	DC Power (V/mA)	ECCN	Model No	1	2-4	5-9	10+	ROW
Linear	50 MHz - 1	15	0.7	1.5	23	37	12/85	EAR99	PE15A9001	\$332.65	\$322.67	\$312.69	\$302.71	38

PasterFact™:

Radio waves weaken by the square of the distance from the starting point.
So, if you are 2x as far away, the signal is 1/4 as strong.

AMPLIFIER ACCESSORIES



Antennas

Model No	Description	1	2-4	5-9	10+	ROW
PE15C5011F	Heat Sink with 24V Fan and Power and Control Cable for RF Amplifier PE15A5011, PE15A5016, PE15A5017, PE15A5019	\$1,086.81	\$1,021.60	\$967.26	\$923.79	16
PE15C5013	Heat Sink for Most RF Power Amplifier PE15A5000 Series	\$434.18	\$408.13	\$386.42	\$369.05	17
PE15C5013F	Heat Sink with 12V Fan for Most RF Power Amplifier PE15A5000 Series	\$1,174.28	\$1,103.82	\$1,045.11	\$998.14	18
PE15C5022	Heat Sink for Rf Power Amplifier PE15A5022	\$583.52	\$548.51	\$519.33	\$495.99	19
PE15C5022F	Heat Sink with 24V Fan for RF Power Amplifier PE15A5022	\$937.80	\$881.53	\$834.64	\$797.13	20
PE15J5011	Power and Control Cable for RF Amplifier PE15A5011, PE15A5014, PE15A5016, PE15A5017, PE15A5018, PE15A5019, PE15A5020 and PE15A5022	\$223.28	\$214.35	\$205.42	\$196.49	21
PE15J5015	Power and Control Cable for RF Amplifier PE15A5015, PE15A5023	\$125.04	\$120.04	\$115.04	\$110.04	22
PE15K5000	Power and Control Cable for RF Amplifier PE15B5000 and PE15B5001	\$139.63	\$134.04	\$128.46	\$122.87	23
PE15K5002	Power and Control Cable for RF Amplifier PE15B5002	\$117.75	\$110.69	\$104.80	\$100.09	24

ANTENNAS

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- **Omni Directional Antennas:** Fixed, Mobile, Rubber Duck and Portable
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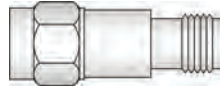
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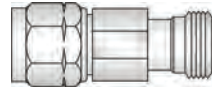
PASSIVE ATTENUATORS

Fixed Attenuators

50 Ohm



2.92mm



2.4mm

Max. Power (Watts)	Connector Input	Connector Output	Max. Freq.	Construction Material	VSWR Max.	Bi-Dir.*	ATTN. (dB)	Model No	1 Pc. Price	See Web for Volume Pricing	ROW			
0.5 W	2.92mm Male	2.92mm Female	40 GHz	Passivated Stainless Steel	1.4:1	Yes	3	PE7046-3	\$436.60	See Web for Volume Pricing	1			
						Yes	6	PE7046-6	\$436.60					
						Yes	20	PE7046-20	\$436.60					
						Yes	30	PE7046-30	\$436.60					
1 W	1.85mm Male	1.85mm Female	65 GHz	Passivated Stainless Steel	1.65:1		3-3	PE7403-3	\$603.88		See Web for Volume Pricing	2		
							6-6	PE7403-6	\$593.09					
							10-10	PE7403-10	\$603.88					
							20-20	PE7403-20	\$604.15					
							30-30	PE7403-30	\$624.16					
	2.4mm Male	2.4mm Female	50 GHz	Passivated Stainless Steel	1.75:1	Yes	10	PE7089-10	\$375.09					
						Yes	20	PE7089-20	\$374.91					
						Yes	30	PE7089-30	\$374.08					
						Yes	3	PE7089-3	\$364.49					
						Yes	6	PE7089-6	\$369.70					
						Yes	1	PE7088-1	\$281.13					
	2.92mm Male	2.92mm Female	40 GHz	Passivated Stainless Steel	1.4:1	Yes	3	PE7088-3	\$270.89					
						Yes	6	PE7088-6	\$270.71					
						Yes	9	PE7088-9	\$269.88					
						Yes	10	PE7088-10	\$281.13					
Yes						12	PE7088-12	\$269.88						
Yes						15	PE7088-15	\$269.88						
Yes						20	PE7088-20	\$270.71						
Yes						30	PE7088-30	\$269.88						
Yes						1	PE7000-1	\$47.00						
Yes						2	PE7000-2	\$48.76						
BNC Male	BNC Female	2 GHz	Nickel Plated Brass	1.2:1	Yes	3	PE7000-3	\$46.86						
					Yes	6	PE7000-6	\$46.86						
					Yes	10	PE7000-10	\$46.86						
					Yes	20	PE7000-20	\$46.86						
					Yes	30	PE7000-30	\$46.86						
					N Male	N Female	3 GHz	Nickel Plated Brass	1.25:1	Yes	3	PE7163-3	\$64.56	
										1.2:1	Yes	3	PE7002-3	\$76.89
											Yes	6	PE7002-6	\$76.89
											Yes	10	PE7002-10	\$78.12
											Yes	20	PE7002-20	\$76.89
Yes	30	PE7002-30	\$76.89											
Yes	40	PE7002-40	\$83.15											
QMA Male	QMA Female	6 GHz	Tri-Metal Plated Brass	1.2:1								12	PE7AP1002-12	\$90.32
												15	PE7AP1002-15	\$90.32
												0	PE7AP1002-0	\$90.32
						20	PE7AP1002-20	\$90.32						
						1	PE7AP1002-1	\$90.32						
						2	PE7AP1002-2	\$90.32						
						3	PE7AP1002-3	\$90.32						
						6	PE7AP1002-6	\$90.32						
						9	PE7AP1002-9	\$90.32						
						0	PE7AP1000-0	\$128.52						
QN Male	QN Female	3 GHz	Tri-Metal Plated Brass	1.2:1		1	PE7AP1000-1	\$128.52						
						2	PE7AP1000-2	\$128.52						
						3	PE7AP1000-3	\$128.52						
						6	PE7AP1000-6	\$128.52						
						9	PE7AP1000-9	\$128.52						
						12	PE7AP1000-12	\$128.52						
						15	PE7AP1000-15	\$128.52						
						18	PE7AP1000-18	\$128.52						
						20	PE7AP1000-20	\$128.52						
					SMA Male	SMA Female	2 GHz	Tri-Metal Plated Brass	1.2:1	Yes	3	PE7161-3	\$56.27	
Yes	6	PE7161-6	\$54.19											
Yes	9	PE7161-9	\$52.08											
Yes	10	PE7161-10	\$57.10											
Yes	12	PE7161-12	\$52.08											

* Bi-Dir is Bi-Directional. If No then Attenuator is Directional. Maximum power applies to input connector only.



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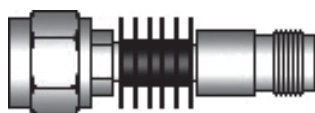
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Fixed Attenuators

50 Ohm



TNC



7/16 DIN

Max. Power (Watts)	Connector Input	Connector Output	Max. Freq.	Construction Material	VSWR Max.	Bi-Dir.*	ATTN. (dB)	Model No	1 Pc. Price	See Web for Volume Pricing	ROW				
5 W	SMA Male	SMA Female	18 GHz	Black Anodized Aluminum Heatsink	1.35:1	Yes	30	PE7013-30	\$156.09		42				
	TNC Male	TNC Female				Yes	40	PE7013-40	\$166.51		43				
						Yes	1	PE7052-1	\$272.40		44				
						Yes	2	PE7052-2	\$272.40						
						Yes	3	PE7052-3	\$272.40						
						Yes	6	PE7052-6	\$296.92						
						Yes	10	PE7052-10	\$296.92						
						Yes	20	PE7052-20	\$272.40						
10 W	7/16 DIN Male	7/16 DIN Female	7.5 GHz	Black Anodized Aluminum Heatsink	1.45:1	Yes	30	PE7052-30	\$301.14	See Web for Volume Pricing	45				
						Yes	3	PE7040-3	\$299.66		46				
						BNC Male	BNC Female	2 GHz	1.6:1		Yes	6	PE7040-6	\$290.64	47
											Yes	10	PE7040-10	\$299.66	48
											Yes	30	PE7040-30	\$214.26	
											Yes	3	PE7025-3	\$301.14	
											Yes	6	PE7025-6	\$301.14	
	Yes	10	PE7025-10	\$301.14											
	N Male	N Female	3 GHz	1.2:1	Yes						20	PE7025-20	\$301.14	49	
					Yes						30	PE7025-30	\$301.14	50	
					Yes						40	PE7025-40	\$311.56		
					Yes						3	PE7010-3	\$218.61		
					Yes						6	PE7010-6	\$218.61		
					Yes	10	PE7010-10	\$218.61							
					Yes	20	PE7010-20	\$218.61							
					Yes	30	PE7010-30	\$217.78							
					Yes	40	PE7010-40	\$198.46							
					SMA Male	SMA Female	18 GHz	1.4:1	Yes		3	PE7386-3	\$144.84	51	
	Yes	6	PE7386-6	\$144.84					52						
	Yes	10	PE7386-10	\$144.84											
	Yes	15	PE7386-15	\$119.10											
	Yes	20	PE7386-20	\$144.84											
	Yes	30	PE7386-30	\$144.84											
	TNC Male	TNC Female	7.5 GHz	1.45:1							Yes	40	PE7386-40	\$155.26	53
									Yes		3	PE7048-3	\$342.82	54	
									Yes		6	PE7048-6	\$341.49		
									Yes		10	PE7048-10	\$342.82		
									Yes		20	PE7048-20	\$353.24		
Yes									30	PE7048-30	\$343.65				
Yes					40	PE7048-40	\$353.24								
Yes					3	PE7015-3	\$353.24								
Yes					6	PE7015-6	\$354.07								
Yes					10	PE7015-10	\$353.24								
SMA Male	SMA Female	18 GHz	1.4:1	Yes	20	PE7015-20	\$354.07	55							
				Yes	30	PE7015-30	\$354.07	56							
				Yes	40	PE7015-40	\$363.66								
				Yes	1	PE7016-1	\$342.82								
				Yes	2	PE7016-2	\$313.29								
				Yes	3	PE7016-3	\$333.23								
				Yes	6	PE7016-6	\$333.23								
				Yes	10	PE7016-10	\$333.41								
				Yes	20	PE7016-20	\$333.41								
				Yes	30	PE7016-30	\$333.23								
15 W	4.3-10 Male	4.3-10 Female	6 GHz	Aluminum	1.15:1	Yes	40	PE7016-40	\$353.24		57				
						Yes	3	PE7053-3	\$447.02		58				
						Yes	20	PE7053-20	\$447.02						
						Yes	30	PE7053-30	\$447.02						
25 W	7/16 DIN Male	7/16 DIN Female	6 GHz	Black Anodized Aluminum Heatsink	1.3:1	Yes	40	PE7053-40	\$467.86			59			
			7.5 GHz			1.15:1	Yes	10	PE7AP1001-10		\$284.82	60			
						1.3:1	Yes	3	PE7AP1001-3		\$284.82				
						1.3:1	Yes	6	PE7AP1001-6		\$284.82				
						1.3:1	Yes	20	PE7AP1001-20		\$284.82				
			1.45:1			Yes	50	PE7379-50	\$455.66		61				
			1.45:1			Yes	10	PE7379-10	\$573.58						
			1.45:1			Yes	20	PE7379-20	\$477.98						
1.45:1	Yes	30	PE7379-30	\$455.66											

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75 Ohm



F

Max. Power (Watts)	Conn. Input	Conn. Output	Frequency Range (MHz)	Construction Material	VSWR Max.	Max. V (V)	Max. I (Amp)	ATTN. (dB)	Model No	1-24	25-49	50-99	100+	ROW
2 W	F Male	F Female	500-2,000	Brass	1.45:1	100	2	6	PE7064-6	\$176.10	\$163.77	\$151.45	\$140.88	66
								10	PE7064-10	\$176.10	\$163.77	\$151.45	\$140.88	
								20	PE7064-20	\$176.10	\$163.77	\$151.45	\$140.88	

Continuously Variable Attenuators

50 Ohm



SMA

Max. Power (Watts)	Conn. Input	Conn. Output	Frequency Range (MHz)	Construction Material	VSWR Max.	ATTN. (dB)	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
5 W	SMA Female	SMA Female	DC-4,000		DC-1,000: 1.5:1 1,000-2,000: 1.6:1 2,000-3,000: 1.7:1 3,000-4,000: 1.8:1	0-90	PE7422	\$1,562.97		67

Waveguide Attenuators, See Page [228](#), [239](#)

ACTIVE ATTENUATORS

TTL, USB, CMOS and Relay



Type	Frequency Range (GHz)	Atten. Range (dB)	IL (dB)	Step Resolution (dB)	Switching Speed (µs)	Input/Output Connector	Model No	1	2-4	5-9	10+	ROW
Relay	DC - 13	0 - 31.5	5	0.5	6,000,000	SMA Female	PE70A5003	\$4,067.37	\$3,823.33	\$3,619.96	\$3,457.26	1
	DC - 1		1.5				PE70A8001	\$868.82	\$816.69	\$773.25	\$738.50	2
	DC - 1		1.5				PE70A8000	\$868.82	\$816.69	\$773.25	\$738.50	3
	DC - 1	0 - 63	2.2	1		F Female	PE70A8003	\$1,686.66	\$1,585.46	\$1,501.13	\$1,433.66	4
	DC - 1		2.5				PE70A8004	\$2,008.12	\$1,887.63	\$1,787.23	\$1,706.90	5
	DC - 1.5		3.2				PE70A8005	\$2,071.57	\$1,947.28	\$1,843.70	\$1,760.83	6
	DC - 2	0 - 63.75		0.25		45	SMA Female	PE70A8002	\$2,831.85	\$2,661.94	\$2,520.35	\$2,407.07
DC - 13	0 - 31.5	5.5	0.5	PE70A4000	\$4,067.37		\$3,823.33	\$3,619.96	\$3,457.26	8		
5 MHz - 2.15	0 - 63	5.25	1	5,000	F Female		PE70A5012	\$1,987.83	\$1,868.56	\$1,769.17	\$1,689.66	9
TTL	30 MHz - 3	0 - 31.75	2.5	0.25	1,000	SMA Female	PE70A5004	\$1,501.46	\$1,411.37	\$1,336.30	\$1,276.24	10
	30 MHz - 3	0 - 63	4	1			PE70A5006	\$3,445.24	\$3,238.53	\$3,066.26	\$2,928.45	11

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For our complete selection of cable assemblies, please visit our website

4.3-10 MALE TO 4.3-10 MALE



Low PIM Corrugated Cable Assemblies

SPP-250-LLPL Coax, 50 Ohm

Part No. PE3C4142				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.280" dia.	dB/100ft	W
100CM	200CM	-	-	-	-	Custom Len.
\$96.92	\$136.66					See Web

7/16 DIN MALE TO 7/16 DIN MALE



Standard Flexible Cable Assemblies

RG393/U Coax, 50 Ohm

Part No. PE3205				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.390" dia.	8 dB/100ft	1700 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$262.28	\$277.17	\$292.05	\$306.94	\$321.83	\$336.71	See Web

RG393/U Coax, 50 Ohm

Part No. PE3205LF				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.390" dia.	8 dB/100ft	1700 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$262.28	\$277.17	\$292.05	\$306.94	\$321.83	\$336.71	See Web

7/16 DIN MALE TO 7/16 DIN MALE RIGHT ANGLE



Standard Flexible Cable Assemblies

RG393/U Coax, 50 Ohm

Part No. PE32057				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.390" dia.	9 dB/100ft	1700 W
12"	24"	36"	48"	60"	-	Custom Len.
\$282.66	\$297.55	\$312.43	\$327.32	\$342.20		See Web

7/16 DIN MALE TO 7/16 DIN FEMALE



Standard Flexible Cable Assemblies

RG393/U Coax, 50 Ohm

Part No. PE327450				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.390" dia.	9 dB/100ft	1700 W
12"	24"	36"	48"	60"	-	Custom Len.
\$271.76	\$286.64	\$301.53	\$316.42	\$331.30		See Web

7/16 DIN MALE TO SC MALE



Standard Flexible Cable Assemblies

RG393/U Coax, 50 Ohm

Part No. PE327497				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.390" dia.	9 dB/100ft	1700 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$214.72	\$230.05	\$245.38	\$260.71	\$276.04	\$291.37	See Web

10-32 MALE TO 10-32 MALE



Standard Flexible Cable Assemblies

RG174A/U Coax, 50 Ohm

Part No. PE36520				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.100" dia.	32 dB/100ft	16 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$61.43	\$61.85	\$62.27	\$62.69	\$63.11	\$63.53	See Web

BMA PLUG BULKHEAD TO SMA MALE RIGHT ANGLE

SEE MOUNTING HOLE SECTION ON PAGE 259



Flexible Cable Assemblies

RG316/U Coax, 50 Ohm

Part No. PE3C4386				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.098" dia.	58 dB/100ft	160 W
6"	12"	24"	36"	60"	-	Custom Len.
\$84.00	\$85.36	\$88.04	\$90.74	\$96.14		See Web

BNC MALE TO BNC MALE



Standard Flexible Cable Assemblies

RG58C/U Coax, 50 Ohm

Part No. PE3067				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.195" dia.	20 dB/100ft	80 W
12"	18"	24"	30"	36"	48"	Custom Len.
\$30.03	\$30.38	\$30.73	\$31.08	\$31.43	\$32.14	See Web

RG142B/U Coax, 50 Ohm

Part No. PE3495				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.195" dia.	dB/100ft	650 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$29.47	\$34.98	\$40.50	\$46.02	\$51.53	\$57.05	See Web

RG142B/U Coax, 50 Ohm

Part No. PE3495LF				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.195" dia.	dB/100ft	650 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$32.16	\$37.67	\$43.20	\$48.71	\$54.23	\$59.74	See Web

RG174A/U Coax, 50 Ohm

Part No. PE3C2295				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.110" dia.	32 dB/100ft	17 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$32.87	\$33.26	\$33.71	\$34.10	\$34.54	\$34.92	See Web

RG174A/U Coax, 50 Ohm

Part No. PE3C2295LF				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.110" dia.	32 dB/100ft	17 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$34.19	\$34.61	\$35.03	\$35.44	\$35.86	\$36.29	See Web

RG178B/U Coax, 50 Ohm

Part No. PE33130				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.072" dia.	44 dB/100ft	78 W
12"	24"	36"	48"	60"	-	Custom Len.
\$59.18	\$60.11	\$61.02	\$61.95	\$62.87		See Web

RG188A/U Coax, 50 Ohm

Part No. PE3C2034				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.110" dia.	26 dB/100ft	160 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$34.43	\$36.43	\$38.37	\$40.38	\$42.38	\$44.32	See Web

RG188A/U Coax, 50 Ohm

Part No. PE3C2034LF				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.110" dia.	26 dB/100ft	160 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$34.43	\$36.43	\$38.37	\$40.38	\$42.38	\$44.32	See Web

RG213/U Coax, 50 Ohm

Part No. PE32749				Cable Dia.	Attn. @1 GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.405" dia.	8 dB/100ft	190 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$74.39	\$76.00	\$77.59	\$79.20	\$80.79	\$82.40	See Web

Cable Assemblies

See Our Website For Current Pricing & Real-Time Stock Availability!

*Coax Performance at 1 GHz Notes: Cable assembly max frequency may be lower than connector or coax max frequency

For our complete selection of cable assemblies, please visit our website

MMBX PLUG RIGHT ANGLE TO SMA FEMALE BULKHEAD

SEE MOUNTING HOLE SECTION ON PAGE 259



Standard Flexible Cable Assemblies

RG178B/U Coax, 50 Ohm

Part No. PE3C4807				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.072" dia.	44 dB/100ft	55 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$67.03	\$68.02	\$69.01	\$70.00	\$70.99	\$71.98	See Web

N MALE TO 4.3-10 MALE



Low PIM Corrugated Cable Assemblies

SPP-250-LLPL Coax, 50 Ohm

Part No. PE3C4141				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.280" dia.	dB/100ft	W
100CM	100CM	200CM	-	-	-	Custom Len.
\$94.79	\$94.79	\$134.53				See Web

N MALE TO 7/16 DIN MALE



Low PIM Corrugated Cable Assemblies

SPP-250-LLPL Coax, 50 Ohm

Part No. PE3C4132				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.280" dia.	dB/100ft	W
100CM	200CM	-	-	-	-	Custom Len.
\$96.92	\$136.66					See Web

Standard Flexible Cable Assemblies

RG214/U Coax, 50 Ohm

Part No. PE3218				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.425" dia.	7 dB/100ft	190 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$160.40	\$167.44	\$174.50	\$181.55	\$188.61	\$195.65	See Web

N MALE TO BNC MALE



Flexible Cable Assemblies

LMR-195 Coax, 50 Ohm

Part No. PE3C1349LF				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.195" dia.	12 dB/100ft	W
12"	24"	36"	48"	60"	72"	Custom Len.
\$30.04	\$30.74	\$31.44	\$32.14	\$32.84	\$33.54	See Web

Standard Flexible Cable Assemblies

RG58C/U Coax, 50 Ohm

Part No. PE3042				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.195" dia.	20 dB/100ft	44 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$38.94	\$39.65	\$40.36	\$41.07	\$41.78	\$42.49	See Web

RG223/U Coax, 50 Ohm

Part No. PE3476				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.210" dia.	13 dB/100ft	53 W
12"	24"	36"	48"	60"	72"	Custom Len.
\$36.30	\$39.09	\$41.88	\$44.68	\$47.47	\$50.25	See Web

PE-C240 Coax, 50 Ohm

Part No. PE35269				Cable Dia.	Attn. @1GHz	Power@1GHz
1 piece price shown. See web or call for volume pricing.				0.240" dia.	9 dB/100ft	250 W
12"	24"	36"	48"	60"	-	Custom Len.
\$46.69	\$47.62	\$49.47	\$52.12	\$54.85		See Web

LMR-240-UF Coax, 50 Ohm

Part No. PE3C2404		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.240" dia.	9 dB/100ft	W		
12"	24"	36"	48"	60"	72"	Custom Len.
\$36.74	\$38.01	\$39.28	\$40.55	\$41.82	\$43.09	See Web

N MALE TO N MALE



Flexible Cable Assemblies

LMR-240 Coax, 50 Ohm

Part No. PE3C0053		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.240" dia.	8 dB/100ft	W		
12"	24"	36"	48"	60"	72"	Custom Len.
\$51.34	\$52.28	\$53.21	\$54.15	\$55.07		See Web

LMR-400-UF Coax, 50 Ohm

Part No. PE3C2183LF		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.405" dia.	5 dB/100ft	W		
12"	24"	36"	48"	60"	72"	Custom Len.
\$48.21	\$50.67	\$53.13	\$55.59	\$58.05	\$60.51	See Web

Low Loss Flexible Cable Assemblies

PE-P142LL Coax, 50 Ohm

Part No. PE3C0231		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.320" dia.	7 dB/100ft	W		
24"	36"	48"	60"	72"	120"	Custom Len.
\$319.87	\$360.95	\$405.02	\$436.07	\$454.62	\$652.55	See Web

Low Loss Test Flexible Cable Assemblies

PE-P300LL Coax, 50 Ohm

Part No. PE330		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.300" dia.	5 dB/100ft	W		
12"	24"	36"	48"	60"	50CM	Custom Len.
\$259.98	\$284.95	\$309.92	\$334.87	\$359.84	\$275.98	See Web

Standard Formable Cable Assemblies

LMR-SW540 Coax, 50 Ohm

Part No. PE3C0142		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		" dia.	2 dB/100ft	W		
12"	24"	36"	48"	60"	-	Custom Len.
\$81.04	\$83.55	\$86.06	\$88.57	\$91.09		See Web

Standard Flexible Cable Assemblies

RG8A/U Coax, 50 Ohm

Part No. PE3570		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.405" dia.	8 dB/100ft	190 W		
12"	24"	36"	48"	60"	72"	Custom Len.
\$59.41	\$62.14	\$64.86	\$67.59	\$70.32	\$73.04	See Web

RG58C/U Coax, 50 Ohm

Part No. PE3441LF		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.195" dia.	20 dB/100ft	44 W		
12"	24"	36"	48"	60"	72"	Custom Len.
\$46.86	\$47.57	\$48.28	\$48.99	\$49.70	\$50.41	See Web

RG58C/U Coax, 50 Ohm

Part No. PE3441		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.195" dia.	20 dB/100ft	44 W		
12"	24"	36"	48"	60"	72"	Custom Len.
\$44.21	\$44.96	\$45.66	\$46.34	\$47.04	\$47.73	See Web

RG141A/U Coax, 50 Ohm

Part No. PE36589		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.190" dia.	13 dB/100ft	650 W		
12"	24"	36"	48"	60"	-	Custom Len.
\$58.63	\$64.84	\$71.06	\$77.27	\$83.48		See Web

RG142B/U Coax, 50 Ohm

Part No. PE3455		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.195" dia.	13 dB/100ft	650 W		
6"	12"	18"	24"	30"	36"	Custom Len.
\$46.95	\$46.95	\$49.70	\$52.46	\$55.22	\$57.98	See Web

RG142B/U Coax, 50 Ohm






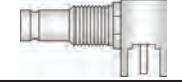
Part No. PE3455LF		Cable Dia.	Attn. @1GHz	Power@1GHz		
1 piece price shown. See web or call for volume pricing.		0.195" dia.	13 dB/100ft	650 W		
6"	12"	18"	24"	30"	36"	Custom Len.
\$47.84	\$47.84	\$50.60	\$53.37	\$56.13	\$58.88	See Web

Cable Assemblies


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*Coax Performance at 1 GHz Notes: Cable assembly max frequency may be lower than connector or coax max frequency

1.0/2.3 Connectors



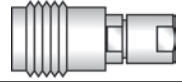
Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Plug									
Cable Connectors		Crimp/Solder	RG55, RG142, RG223, RG400	PE44242	\$10.99	\$10.22	\$9.45	\$8.79	1
			RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch	PE44244	\$12.61	\$11.73	\$10.84	\$10.09	2
Plug Right Angle									
Cable Connectors		Crimp/Solder	RG55, RG142, RG223, RG400	PE44247	\$13.66	\$12.70	\$11.75	\$10.93	3
			RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch	PE44249	\$14.24	\$13.24	\$12.25	\$11.39	4
Jack									
PCB Mount		Solder	Thru Hole with .200 inch x .055 inch Hole Spacing	PE44257	\$8.76	\$8.15	\$7.53	\$7.01	5
Jack, Bulkhead Mount									
Cable Connectors		Solder/Solder	PE-SR405AL, PE-SR405FL, RG405 with .235 inch D Hole	PE44256	\$16.57	\$15.41	\$14.25	\$13.26	6
PCB Mount		Solder	Thru Hole with .220 inch Diameter	PE44259	\$12.12	\$11.27	\$10.42	\$9.70	7
Jack Right Angle									
PCB Mount		Solder	Thru Hole with .200 inch x .055 inch Hole Spacing	PE44258	\$11.23	\$10.44	\$9.66	\$8.98	8

1.0mm Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Female									
PCB Mount		Clamp/Solder (Captive Contact)	End Launch	PE45403	\$1,038.27	\$965.59	\$892.91	\$830.62	9

1.6/5.6 Connectors, [See Web](#) (9 parts available)

1.85mm Connectors


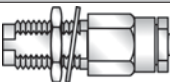
Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Male									
Cable Connectors		Clamp/Solder	PE-047SR, PE-SR047AL, PE-SR047FL	PE44335	\$151.13	\$140.55	\$129.97	\$120.90	10
			PE-047SR, PE-047SRAL, PE-047SRFL	PE45410	\$89.31	\$83.06	\$76.81	\$71.45	11
		Solder	PE-SR405AL, RG405, PE-SR405FLJ	PE45413	\$89.31	\$83.06	\$76.81	\$71.45	12
Female									
Cable Connectors		Clamp/Solder	PE-047SR, PE-SR047AL, PE-SR047FL	PE44800	\$132.64	\$123.36	\$114.07	\$106.11	13

* Fits MIL-C-17 and equivalent cable versions only


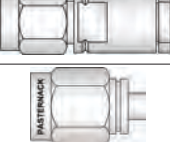
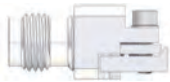


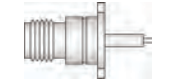
Connectors

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1.85mm Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
PCB Mount		Clamp/Solder (Captive Contact)	End Launch	PE45402	\$228.05	\$212.09	\$196.12	\$182.44	14
			End Launch	PE45477	\$167.02	\$155.33	\$143.64	\$133.62	15
Cable Connectors	Female, Bulkhead Mount								
		Clamp/Solder	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 with .252 inch D Hole	PE44802	\$125.53	\$116.74	\$107.96	\$100.42	16

2.4mm Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Male									
PCB Mount		Clamp	Vertical Launch	PE45456	\$45.82	\$42.61	\$39.41	\$36.66	17
			Vertical Launch	PE45457	\$45.82	\$42.61	\$39.41	\$36.66	18
Cable Connectors		Clamp/Solder	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405	PE44345	\$82.14	\$76.39	\$70.64	\$65.71	19
			Solder	PE-SR405AL, PE-SR405FL, RG405	PE44215	\$58.67	\$54.56	\$50.46	\$46.94
		PE-047SR, PE-047SRAL, PE-047SRFL		PE45411	\$81.87	\$76.14	\$70.41	\$65.50	21
		PE-SR405AL, RG405, PE-SR405FLJ	PE45414	\$81.87	\$76.14	\$70.41	\$65.50	22	
Female									
PCB Mount		Clamp	Vertical Launch	PE45454	\$42.83	\$39.83	\$36.83	\$34.26	23
			Vertical Launch	PE45455	\$42.83	\$39.83	\$36.83	\$34.26	24
		Clamp/Solder (Captive Contact)	End Launch	PE45401	\$169.85	\$157.96	\$146.07	\$135.88	25
			End Launch	PE45472	\$90.98	\$84.61	\$78.24	\$72.78	26
			End Launch	PE45473	\$90.98	\$84.61	\$78.24	\$72.78	27
			End Launch	PE45474	\$90.98	\$84.61	\$78.24	\$72.78	28
			End Launch	PE45475	\$90.98	\$84.61	\$78.24	\$72.78	29
			End Launch	PE45476	\$90.98	\$84.61	\$78.24	\$72.78	30
Cable Connectors	Female, Bulkhead Mount								
		Clamp/Solder	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 with .252 inch D Hole	PE44801	\$132.64	\$123.36	\$114.07	\$106.11	31
Terminal	Female, 2 Hole Flange Mount								
		Solder	Pin with .481 inch Hole Spacing	PE44217	\$156.37	\$145.42	\$134.48	\$125.10	32
Terminal	Female, 4 Hole Flange Mount								
		Solder	Pin with .340 inch Hole Spacing	PE44218	\$132.09	\$122.84	\$113.60	\$105.67	33
Tab with .340 inch Hole Spacing	PE44226		\$117.86	\$109.61	\$101.36	\$94.29	34		

2.92mm Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Male									
PCB Mount		Clamp	Vertical Launch	PE45452	\$42.70	\$39.71	\$36.72	\$34.16	35
			Vertical Launch	PE45453	\$42.70	\$39.71	\$36.72	\$34.16	36
Cable Connectors		Clamp/Solder	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405	PE44796	\$64.85	\$60.31	\$55.77	\$51.88	37
			PE-SR047FL, PE-SR047AL, PE-047SR	PE44797	\$107.22	\$99.71	\$92.21	\$85.78	38

* Fits MIL-C-17 and equivalent cable versions only



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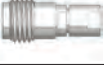







Same-Day Shipping, Even Custom Cable Assemblies


Connectors

See Our Website For Current Pricing & Real-Time Stock Availability!

2.92mm Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Male									
Cable Connectors		Solder	PE-047SR, PE-047SRAL, PE-047SRFL	PE45412	\$74.44	\$69.23	\$64.02	\$59.55	39
			PE-SR405AL, RG405, PE-SR405FLJ	PE45415	\$74.44	\$69.23	\$64.02	\$59.55	40
			PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402	PE4987	\$45.75	\$42.55	\$39.35	\$36.60	41
			PE-SR405AL, PE-SR405FL, RG405	PE4988	\$46.93	\$43.64	\$40.36	\$37.54	42
			PE-118SR, .118 inch	PE4989	\$64.75	\$60.22	\$55.69	\$51.80	43
Male, 2 Hole Flange Mount									
Terminal		Solder	Pin with .354 inch Hole Spacing	PE44347	\$137.40	\$127.78	\$118.16	\$109.92	44
Male, Threaded Mount									
Field Replaceable		Field Replaceable	.012 inch Pin	PE44234	\$90.70	\$84.35	\$78.00	\$72.56	45
Female									
PCB Mount		Clamp	Vertical Launch	PE45450	\$39.90	\$37.11	\$34.31	\$31.92	46
			Vertical Launch	PE45451	\$39.90	\$37.11	\$34.31	\$31.92	47
Cable Connectors		Clamp/Solder	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405	PE44228	\$111.24	\$103.45	\$95.67	\$88.99	48
			PE-047SR, PE-SR047AL, PE-SR047FL	PE44798	\$121.89	\$113.36	\$104.83	\$97.51	49
PCB Mount		Clamp/Solder (Captive Contact)	End Launch	PE45400	\$150.76	\$140.21	\$129.65	\$120.61	50
			End Launch	PE45467	\$67.34	\$62.63	\$57.91	\$53.87	51
			End Launch	PE45468	\$67.34	\$62.63	\$57.91	\$53.87	52
			End Launch	PE45469	\$67.34	\$62.63	\$57.91	\$53.87	53
			End Launch	PE45470	\$67.34	\$62.63	\$57.91	\$53.87	54
End Launch	PE45471	\$67.34	\$62.63	\$57.91	\$53.87	55			
Female, Bulkhead Mount									
Cable Connectors		Clamp/Solder	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 with .235 inch D Hole	PE4992	\$145.54	\$135.35	\$125.16	\$116.43	56
Female, 2 Hole Flange Mount									
Field Replaceable		Field Replaceable	.012 inch Pin with .481 inch Hole Spacing	PE44229	\$120.13	\$111.72	\$103.31	\$96.10	57
Female, 4 Hole Flange Mount									
Field Replaceable		Field Replaceable	.012 inch Pin with .340 inch Hole Spacing	PE44230	\$117.23	\$109.02	\$100.82	\$93.78	58
Female, Threaded Mount									
Field Replaceable		Field Replaceable	.012 inch Pin	PE44231	\$97.06	\$90.27	\$83.47	\$77.65	59

3.5mm Connectors


Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
Male									
Cable Connectors		Threaded	VNA Test Cable	PE44487	Call	Call	Call	Call	60
			PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402	PE4981	\$88.18	\$82.01	\$75.83	\$70.54	61
			PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405	PE4982	\$89.59	\$83.32	\$77.05	\$71.67	62

* Fits MIL-C-17 and equivalent cable versions only


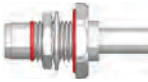







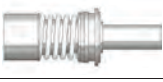


Connectors

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10-32 Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
PCB Mount	Female Right Angle								
		Solder	Thru Hole with .200 inch x .067 inch Hole Spacing	PE44360	\$27.75	\$25.81	\$23.87	\$22.20	30

BMA Connectors







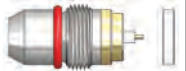

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
PCB Mount	Plug								
		Solder	Thru Hole Thru Hole	PE45335 PE45336	\$58.77 \$31.59	\$54.66 \$29.38	\$50.54 \$27.17	\$47.02 \$25.27	31 32
Cable Connectors	Plug, Bulkhead Mount								
		Crimp/Solder	RG178, RG196	PE45315	\$73.70	\$68.54	\$63.38	\$58.96	33
			RG316, RG188, RG174, PE-C100, LMR-100A	PE45316	\$45.00	\$41.85	\$38.70	\$36.00	34
			RG188-DS, RG316-DS	PE45317	\$33.11	\$30.79	\$28.47	\$26.49	35
		Solder/Non-Solder Contact	RG142, RG223, RG400, RG55	PE45318	\$32.19	\$29.94	\$27.68	\$25.75	36
			RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN	PE45310	\$34.51	\$32.09	\$29.68	\$27.61	37
RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN			PE45311	\$23.83	\$22.16	\$20.49	\$19.06	38	
Terminal		Solder	RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45313	\$54.57	\$50.75	\$46.93	\$43.66	39
			RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45314	\$22.99	\$21.38	\$19.77	\$18.39	40
			RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45314	\$22.99	\$21.38	\$19.77	\$18.39	40
Terminal		Solder	Stub with .481 inch Hole Spacing	PE45341	\$30.32	\$28.20	\$26.08	\$24.26	41
			Stub with .481 inch Hole Spacing	PE45342	\$33.53	\$31.18	\$28.84	\$26.82	42
			Stub with .481 inch Hole Spacing	PE45343	\$10.75	\$10.00	\$9.25	\$8.60	43
			Stub with .481 inch Hole Spacing	PE45344	\$15.04	\$13.99	\$12.93	\$12.03	44
			Stub with .481 inch Hole Spacing	PE45347	\$64.46	\$59.95	\$55.44	\$51.57	45
Field Replaceable		Field Replaceable	.012 inch Pin with .481 inch Hole Spacing	PE45345	\$217.85	\$202.60	\$187.35	\$174.28	46
			.020 inch Pin with .481 inch Hole Spacing	PE45346	\$208.05	\$193.49	\$178.92	\$166.44	47
			.036 inch Pin with .481 inch Hole Spacing	PE45348	\$68.31	\$63.53	\$58.75	\$54.65	48
Terminal	Plug, 4 Hole Flange Mount								
		Solder	Stub with .340 inch Hole Spacing	PE45339	\$34.04	\$31.66	\$29.27	\$27.23	49
Terminal	Plug, Thread-In								
		None	Pin	PE45350	\$100.90	\$93.84	\$86.77	\$80.72	50
			Pin	PE45351	\$60.63	\$56.39	\$52.14	\$48.50	51
			Pin	PE45352	\$115.25	\$107.18	\$99.12	\$92.20	52
Pin			PE45353	\$133.78	\$124.42	\$115.05	\$107.02	53	
PCB Mount	Plug Right Angle								
		Solder	Surface Mount Thru Hole	PE45333 PE45355	\$133.97 \$36.27	\$124.59 \$33.73	\$115.21 \$31.19	\$107.18 \$29.02	54 55
Cable Connectors	Jack								
		Crimp/Solder	RG316, RG188, RG174, PE-C100, LMR-100A	PE45319	\$73.81	\$68.64	\$63.48	\$59.05	56
			RG142, RG223, RG400, RG55	PE45320	\$98.08	\$91.21	\$84.35	\$78.46	57
		Solder/Solder	RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ	PE45324	\$65.51	\$60.92	\$56.34	\$52.41	58
RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ			PE45325	\$93.19	\$86.67	\$80.14	\$74.55	59	
Cable Connectors		Solder/Non-Solder Contact	RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45328	\$76.04	\$70.72	\$65.39	\$60.83	60

* Fits MIL-C-17 and equivalent cable versions only


Connectors

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BMA Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW
					1-24	25-49	50-99	100 +	
PCB Mount		Solder	Thru Hole	PE45337	\$48.95	\$45.52	\$42.10	\$39.16	61
			Surface Mount	PE45338	\$56.90	\$52.92	\$48.93	\$45.52	62
Terminal			Stub	PE45349	\$185.40	\$172.42	\$159.44	\$148.32	63
Jack, Bulkhead Mount									
Cable Connectors		Solder/Solder	RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ	PE45323	\$42.10	\$39.15	\$36.21	\$33.68	64
Jack, 2 Hole Flange Mount									
Cable Connectors		Crimp/Solder	RG316, RG188, RG174, LMR-100A, PE-C100-LSZH	PE45321	\$40.76	\$37.91	\$35.05	\$32.61	65
		Solder/Solder	RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45326	\$54.51	\$50.69	\$46.88	\$43.61	66
			RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45327	\$36.47	\$33.92	\$31.36	\$29.18	67
		Solder/Non-Solder Contact	RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ	PE45322	\$47.63	\$44.30	\$40.96	\$38.10	68
Terminal		Solder	Stub	PE45340	\$58.87	\$54.75	\$50.63	\$47.10	69
Jack, 4 Hole Flange Mount									
Terminal		Solder	Stub with .340 inch Hole Spacing	PE45334	\$52.20	\$48.55	\$44.89	\$41.76	70
Jack, Thread-In									
Terminal		None	Pin	PE45354	\$60.77	\$56.52	\$52.26	\$48.62	71
Jack Right Angle, 2 Hole Flange Mount									
Cable Connectors		Crimp/Solder	RG142, RG223, RG400, RG55	PE45332	\$53.47	\$49.73	\$45.98	\$42.78	72
		Solder/Solder	RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN	PE45329	\$64.43	\$59.92	\$55.41	\$51.54	73
			RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ	PE45330	\$74.29	\$69.09	\$63.89	\$59.43	74
			RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ	PE45331	\$59.08	\$54.94	\$50.81	\$47.26	75

BNC Connectors

Connection Method	Product Image	Attachment Cable/Contact	Coax Type / Termination Type	Model No.	Price				ROW		
					1-24	25-49	50-99	100 +			
Male											
Cable Connectors		Crimp/Crimp	RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch	PE4016	\$6.78	\$6.31	\$5.83	\$5.42	76		
			RG59*, RG62*, RG71	PE4018	\$8.23	\$7.65	\$7.08	\$6.58	77		
			.100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100	PE45045	\$7.03	\$6.54	\$6.05	\$5.62	78		
				Crimp/Solder	RG316-DS, RG188-DS	PE45114	\$6.77	\$6.30	\$5.82	\$5.42	79
					RG55, RG141, RG142, RG223, RG400	PE4044	\$7.30	\$6.79	\$6.28	\$5.84	80
					PE-B150, RG180, RG195	PE4247	\$12.57	\$11.69	\$10.81	\$10.06	81
					RG214, RG9, RG225, RG393	PE4351	\$21.24	\$19.75	\$18.27	\$16.99	82
					RG213, RG215, RG8	PE4378	\$23.64	\$21.99	\$20.33	\$18.91	83
					RG58 Plenum, RG122, RG58-P	PE4381	\$15.92	\$14.81	\$13.69	\$12.74	84
					RG59* Plenum, RG59*-P, RG302	PE4382	\$16.57	\$15.41	\$14.25	\$13.26	85
					PE-C400, LMR-400	PE44294	\$27.46	\$25.54	\$23.62	\$21.97	86
					PE-C240, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A	PE44640	\$13.96	\$12.98	\$12.01	\$11.17	87

* Fits MIL-C-17 and equivalent cable versions only



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Connectors

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SURGE PROTECTORS

In Lines Surge Protectors



Impedance	Connector	Gender	Frequency Range (MHz.)	Mount Type	Maximum Power	Model No	1 Pc. Price	See Web for Volume Pricing				ROW
50 Ohm	7/16 DIN	Female to Female	100 - 512	None	750 Watt	PE73SP1037	\$130.97					21
		Female to Male	698 - 2,700	Bulkhead	1000 Watt	PE73SP1004	\$124.73	22				
					PE73SP1005	\$124.73	23					
			500 Watt	PE73SP1006	\$123.10	24						
				PE73SP1007	\$132.94	25						
		Male to Female	100 - 512	None	750 Watt	PE73SP1034	\$140.67	27				
					300 Watt	PE73SP1017	\$137.86	28				
		N	Female to Female	1,800 - 6,000	Bulkhead	10 Watt	PE73SP1050	\$89.10	29			
						3000 Watt	PE73SP1030	\$70.34	30			
				1.5 - 700	None	2000 Watt	PE73SP1025	\$58.15	31			
						750 Watt	PE73SP1033	\$98.47	32			
				100 - 512	None	750 Watt	PE73SP1035	\$98.47	33			
	1500 Watt					PE73SP1024	\$64.71	34				
	125 - 1,000			Bulkhead	375 Watt	PE73SP1021	\$58.15	35				
					200 Watt	PE73SP1029	\$101.43	36				
	2,000 - 6,000			Bulkhead	500 Watt	PE73SP1022	\$70.34	37				
					10 Watt	PE73SP1048	\$50.27	38				
	400 - 1,200		None	300 Watt	PE73SP1019	\$118.17	39					
				100 Watt	PE73SP1015	\$128.48	40					
	40 - 400		None	100 Watt	PE73SP1018	\$134.91	41					
				500 Watt	PE73SP1000	\$89.10	42					
	698 - 2,700		Bulkhead	300 Watt	PE73SP1013	\$112.26	43					
				300 Watt	PE73SP1014	\$112.54	44					
	800 - 2,500		None	50 Watt	PE73SP1040	\$70.34	46					
				40 Watt	PE73SP1039	\$54.17	47					
	DC - 2,400		Bulkhead	90 Watt	PE73SP1038	\$42.21	48					
				10 Watt	PE73SP1049	\$50.23	49					
	Female to Male	698 - 2,700	Bulkhead	500 Watt	PE73SP1001	\$89.10	50					
				500 Watt	PE73SP1002	\$98.47	51					
		DC - 7,000	None	90 Watt	PE73SP1003	\$103.40	52					
				90 Watt	PE73SP1041	\$44.32	53					
	Male to Female	100 - 512	None	750 Watt	PE73SP1036	\$98.47	54					
375 Watt				PE73SP1028	\$64.71	55						
125 - 1,000		Bulkhead	500 Watt	PE73SP1031	\$73.86	56						
			375 Watt	PE73SP1023	\$58.15	57						
800 - 2,500	None	300 Watt	PE73SP1011	\$112.54	58							
		300 Watt	PE73SP1016	\$112.54	59							
TNC	Female to Female	1.5 - 700	Bulkhead	2000 Watt	PE73SP1026	\$64.99	60					
UHF				2000 Watt	PE73SP1032	\$67.95	61					

See Web for Volume Pricing

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Surge Protectors

In-Line Surge Protectors



Impedance	Connector	Gender	Frequency Range (MHz.)	Mount Type	Maximum Power	Model No	1-24	25-49	50-99	100+	ROW
50 Ohm	N	Female to Female	DC - 2,500	Bulkhead	2000 Watt	PE7301-4	\$174.47	\$162.26	\$150.04	\$139.58	62
					200 Watt	PE7301-3	\$166.31	\$154.67	\$143.03	\$133.05	63
			DC - 3,000	None	2000 Watt	PE7301-1	\$155.69	\$144.79	\$133.89	\$124.55	64
					2000 Watt	PE7301-2	\$161.89	\$150.56	\$139.23	\$129.51	65



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Replacement Cartridges



Cartridge For	Maximum Power	Model No	1-24	25-49	50-99	100+	ROW
PE7301	2,000 Watt	PE7301-2000CART	\$21.45	\$19.95	\$18.45	\$17.16	66
	200 Watt	PE7301-200CART	\$21.45	\$19.95	\$18.45	\$17.16	67
PE7139 & PE7140	1,500 Watt	PE7139-CART	\$19.61	\$18.24	\$16.86	\$15.69	68

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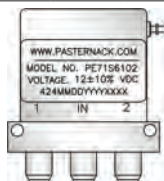
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Electromechanical Relay Switches

1M Life Cycles



Features:
 A: Absorptive
 AR: Auto Reset
 F: Failsafe
 D: Diode
 GR: Global Reset
 H: Hot Switches
 I: Indicators
 L: Latching
 N: Normally Open
 NT: Non-Terminated
 P: Pulse Latching
 R: Reflective
 RS: Reset
 S: Self Cut Off
 T: Terminated
 TTL: TTL Logic

Max Frequency (GHz)	Switch Type	Connector Type	Features	Min Isolation (dB)	Max IL (dB)	Voltage (V)	RF Power (W CW)	Model No	1	2-4	5-9	10+	ROW
4 GHz	SPDT	N Female	F/NT	70	0.25	28	275	PE7147	\$429.00	\$403.26	\$381.81	\$364.65	1
	Transfer			PE7153				\$649.00	\$610.06	\$577.61	\$551.65	2	
10 GHz	SPDT	TNC Female		60	0.6	12	50	PE71S6198	\$885.70	\$832.56	\$788.27	\$752.85	3

5M Life Cycles



Features:
 A: Absorptive
 AR: Auto Reset
 F: Failsafe
 D: Diode
 GR: Global Reset
 H: Hot Switches
 I: Indicators
 L: Latching

N: Normally Open
 NT: Non-Terminated
 P: Pulse
 Latching
 R: Reflective
 RS: Reset
 S: Self Cut Off
 T: Terminated
 TTL: TTL Logic

Max Frequency (GHz)	Switch Type	Connector Type	Features	Min Isolation (dB)	Max IL (dB)	Voltage (V)	RF Power (W CW)	Model No	1	2-4	5-9	10+	ROW
40 GHz	SP4T	2.92mm Female	L/I, S, RS, T /0.05	80	0.5	24	5	PE71S6334	\$6,819.82	\$6,410.63	\$6,069.64	\$5,796.85	77
			L/I, S, TTL, RS, T /0.05					PE71S6342	\$7,229.06	\$6,795.32	\$6,433.86	\$6,144.70	78
	L/I, S, RS, T /0.05		PE71S6332		\$7,274.49			\$6,838.02	\$6,474.30	\$6,183.32	79		
	L/I, S, TTL, RS, T /0.05		PE71S6340		\$7,229.06			\$6,795.32	\$6,433.86	\$6,144.70	80		

10M Life Cycles



Features:
 A: Absorptive
 AR: Auto Reset
 F: Failsafe
 D: Diode
 GR: Global Reset
 H: Hot Switches
 I: Indicators
 L: Latching

N: Normally Open
 NT: Non-Terminated
 P: Pulse
 Latching
 R: Reflective
 RS: Reset
 S: Self Cut Off
 T: Terminated
 TTL: TTL Logic

Max Frequency (GHz)	Switch Type	Connector Type	Features	Min Isolation (dB)	Max IL (dB)	Voltage (V)	RF Power (W CW)	Model No	1	2-4	5-9	10+	ROW			
6 GHz	SP6T	SMA Female	N/NT	70	0.3	28	70	PE71S6085	\$1,358.04	\$1,276.56	\$1,208.66	\$1,154.33	81			
18 GHz	SP6T		F/NT	60	0.35		12	100	PE71S6052	\$303.57	\$285.36	\$270.18	\$258.03	82		
			L/I, S, NT			PE71S6053			\$303.57	\$285.36	\$270.18	\$258.03	83			
						PE71S6054			\$467.80	\$439.73	\$416.34	\$397.63	84			
						PE71S6055			\$444.41	\$417.75	\$395.52	\$377.75	85			
						PE71S6335			\$1,376.98	\$1,294.36	\$1,225.51	\$1,170.43	86			
20 GHz	SPDT		L/I, S, NT /0.03	65	0.5	24	1	PE71S6336	\$1,703.64	\$1,601.42	\$1,516.24	\$1,448.09	87			
			L/I, S, TTL, NT /0.03					PE71S6337	\$1,996.97	\$1,877.15	\$1,777.30	\$1,697.42	88			
			L/I, S, T /0.03					PE71S6338	\$2,219.43	\$2,086.26	\$1,975.29	\$1,886.52	89			
	SP4T		L/I, S, RS, T /0.03					80	0.6	70	PE71S6333	\$4,859.13	\$4,567.58	\$4,324.63	\$4,130.26	90
			L/I, S, TTL, RS, T /0.03								PE71S6341	\$5,150.68	\$4,841.64	\$4,584.11	\$4,378.08	91
			L/I, S, RS, T /0.03								PE71S6331	\$5,399.02	\$5,075.08	\$4,805.13	\$4,589.17	92
			L/I, S, TTL, RS, T /0.03								PE71S6339	\$5,722.95	\$5,379.57	\$5,093.43	\$4,864.51	93
26.5 GHz	SP6T		N/TTL, NT	55	0.8	28	40	PE71S6088	\$2,314.84	\$2,175.95	\$2,060.21	\$1,967.61	94			
40 GHz	SPDT		F/I, NT	50			10	PE71S6056	\$878.28	\$825.58	\$781.67	\$746.54	95			
		L/I, S, NT	PE71S6057					\$878.28	\$825.58	\$781.67	\$746.54	96				

Special Applications



Max Frequency (GHz)	Switch Type	Connector Type	Features	Min Isolation (dB)	Max IL (dB)	Voltage (V)	RF Power (W CW)	Model No	1	2-4	5-9	10+	ROW
1 GHz	A/B Co-axial	BNC Female		50	0.7	12	5	PE7100	\$548.11	\$515.22	\$487.82	\$465.89	97
		N Female						PE7102	\$420.29	\$395.07	\$374.06	\$357.25	98
	A/B Co-axial 75 Ohm	BNC Female						PE7101	\$592.10	\$556.57	\$526.97	\$503.29	99
		N Female						PE7103	\$374.60	\$352.12	\$333.39	\$318.41	1

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Switches



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Phase Locked Oscillators



Loop Type	Out Freq (MHz)	Ref. Type	Ref. Input Freq. (MHz)	Out Power Typ (dBm)	2nd Harmonics Typ (dBc)	Spurious Typ (dBc)	Package Type	Model No	1	2-4	5-9	10+	ROW
Phase Locked	500	External	10	7	-25	-70	Connectorized	PE19XC7000	\$1,505.27	\$1,414.95	\$1,339.69	\$1,279.48	65
							Surface Mount	PE19XP5004	\$446.24	\$419.47	\$397.15	\$379.30	66
							Connectorized	PE19XC7005	\$1,505.27	\$1,414.95	\$1,339.69	\$1,279.48	67
							Surface Mount	PE19XP5009	\$446.24	\$419.47	\$397.15	\$379.30	68
	1000						Connectorized	PE19XC7001	\$1,505.27	\$1,414.95	\$1,339.69	\$1,279.48	69
							Surface Mount	PE19XP5005	\$446.24	\$419.47	\$397.15	\$379.30	70
							Connectorized	PE19XC7006	\$1,505.27	\$1,414.95	\$1,339.69	\$1,279.48	71
							Surface Mount	PE19XP5010	\$446.24	\$419.47	\$397.15	\$379.30	72
	2000						Connectorized	PE19XC7002	\$1,724.05	\$1,620.61	\$1,534.40	\$1,465.44	73
							Surface Mount	PE19XP5006	\$602.05	\$565.93	\$535.82	\$511.74	74
							Connectorized	PE19XC7007	\$1,724.05	\$1,620.61	\$1,534.40	\$1,465.44	75
							Surface Mount	PE19XP5011	\$602.05	\$565.93	\$535.82	\$511.74	76
	4000						Connectorized	PE19XC7003	\$1,975.38	\$1,856.86	\$1,758.09	\$1,679.07	77
							Surface Mount	PE19XP5007	\$659.85	\$620.26	\$587.27	\$560.87	78
							Connectorized	PE19XC7008	\$1,975.38	\$1,856.86	\$1,758.09	\$1,679.07	79
							Surface Mount	PE19XP5012	\$659.84	\$620.25	\$587.26	\$560.86	80
	6000						Connectorized	PE19XC7004	\$2,264.03	\$2,128.19	\$2,014.99	\$1,924.43	81
							Surface Mount	PE19XP5008	\$724.83	\$681.34	\$645.10	\$616.11	82
							Connectorized	PE19XC7009	\$2,264.03	\$2,128.19	\$2,014.99	\$1,924.43	83
							Surface Mount	PE19XP5013	\$724.83	\$681.34	\$645.10	\$616.11	84

Phase Locked Crystal Oscillators

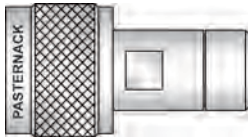


Loop Type	Out Freq (MHz)	Ref. Type	Ref. Input Freq. (MHz)	Out Power Typ (dBm)	2nd Harmonics Typ (dBc)	Spurious Typ (dBc)	Package Type	Model No	1	2-4	5-9	10+	ROW
Phase-Locked Crystal	50	External	10	+7	-20	-70	Surface Mount	PE19XP5000	\$676.10	\$635.53	\$601.73	\$574.69	85
							Connectorized	PE19XP5002	\$2,329.20	\$2,189.45	\$2,072.99	\$1,979.82	86
	100						Surface Mount	PE19XP5001	\$769.95	\$723.75	\$685.26	\$654.46	87
							Connectorized	PE19XP5003	\$2,557.29	\$2,403.85	\$2,275.99	\$2,173.70	88

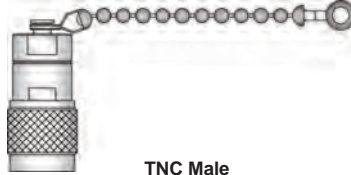
TERMINATIONS

RF Load

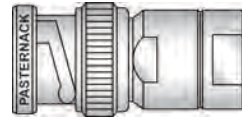
50 Ohm



N Male



TNC Male



BNC Male

Max. Power (Watts)	Connector	Maximum Frequency.	Construction Material	VSWR Max.	Chain	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
0.25 W	Mini SMP Female	18 GHz	Gold Plated Beryllium Copper	1.35:1	No	PE6184	\$52.30	See Web for Volume Pricing	1
	SMP Female	40 GHz		1.45:1	No	PE6182	\$148.75		2
0.5 W	2.92mm Male	40 GHz	Passivated Stainless Steel	1.2:1	Yes	PE6086	\$382.08		3
	2.92mm Female				No	PE6085	\$253.69		4
					Yes	PE6088	\$399.56		5
	No				PE6087	\$340.31	6		
	7/16 DIN Male	1,000 MHz	Tri-Metal Plated Brass		No	PE6146	\$103.98		7
	Mini SMP Male	40 GHz	Gold Plated Beryllium Copper	1.35:1	No	PE6163	\$238.13		8
	Mini SMP Female		Gold over Nickel Plated Beryllium Copper		No	PE6162	\$256.82		9
	SMA Male	12.4 GHz	Passivated Stainless Steel	1.17:1	No	PE6002	\$35.37		10
	SMA Female				Yes	PE6070	\$67.78		11
					No	PE6003	\$47.96		12
SMP Female	18 GHz	Gold Plated Beryllium Copper	1.35:1	No	PE6183	\$38.36	13		
1 W	1.85mm Male	65 GHz	Passivated Stainless Steel	1.6:1	Yes	PE6236	\$565.15		14
	No				PE6235	\$496.95	15		
	2.4mm Male	50 GHz	Passivated Stainless Steel	1.45:1	Yes	PE6179	\$477.90		16
	No				PE6178	\$473.74	17		
	2.92mm Male	40 GHz	Passivated Stainless Steel	1.25:1	Yes	PE6174	\$233.23		18
	No				PE6173	\$224.26	19		
	2.92mm Female	40 GHz	Passivated Stainless Steel	1.25:1	No	PE6175	\$286.87		20
	BMA Plug				1.2:1	PE6TR1041	\$163.95	21	
	BMA Jack	18 GHz	Passivated Stainless Steel	1.35:1	No	PE6TR1042	\$176.07	22	
	Mini SMP Male				1.3:1	PE6TR1043	\$53.84	23	
	Mini SMP Female				1.2:1	PE6TR1044	\$53.84	24	
	MMCX Male				6 GHz	Gold Plated Brass	1.35:1	No	PE6199
	QMA Male	4 GHz	Gold Plated Brass	1.2:1	No	PE6TR1050	\$15.70	26	
	QN Male				Yes	PE6TR1051	\$22.62	27	
					No	PE6TR1038	\$48.63	28	
	1 W	SMA Male	6 GHz	Tri-Metal Plated Brass	1.2:1	No	PE6150	\$6.20	29
						No	PE6TR1014	\$7.18	30
		SMA Male	8 GHz	Gold Plated Brass	1.15:1	No	PE6151	\$37.39	31
						Yes	PE6069	\$54.44	32
		SMA Male	18 GHz	Passivated Stainless Steel	1.25:1	Yes	PE6072	\$71.90	33
No						PE6071	\$53.09	34	
Yes						PE6078	\$110.42	35	
No						PE6077	\$95.74	36	
SMA Female		26.5 GHz	Passivated Stainless Steel	1.35:1	No	PE6073	\$75.90	37	
					Yes	PE6080	\$132.61	38	
SMA Female	26.5 GHz	Passivated Stainless Steel	1.35:1	No	PE6079	\$110.11	39		
				Yes	PE6080	\$132.61	40		
SMB Plug	4 GHz	Gold Plated Brass	1.2:1	No	PE6TR1037	\$26.05	41		
SMB Jack				No	PE6TR002	\$11.54	42		
SMC Plug	10 GHz	Gold Plated Brass	1.3:1	No	PE6TR006	\$20.62	43		
SMC Jack				No	PE6TR005	\$8.87	44		
SMP Male	18 GHz	Gold over Nickel Plated Brass	1.35:1	No	PE6TR1039	\$53.84	45		
				Yes	PE6161	\$190.76	46		
SMP Female	18 GHz	Gold over Nickel Plated Brass	1.2:1	No	PE6TR1040	\$53.84	47		
				Yes	PE6160	\$142.82	48		
SSMC Plug	10 GHz	Gold Plated Brass	1.3:1	No	PE6243	\$27.10	49		
2 W	2.4mm Male	50 GHz	Passivated Stainless Steel	1.45:1	No	PE6227	\$307.38	50	
	2.4mm Female				No	PE6242	\$513.19	51	
	2.92mm Male	40 GHz	Passivated Stainless Steel	1.25:1	Yes	PE6177	\$567.19	52	
								53	
								54	

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Terminations & Matching Pads



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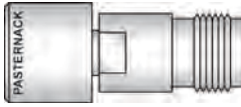
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Same-Day Shipping, Even Custom Cable Assemblies

RF Load

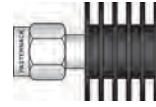
50 Ohm



TNC Female



BNC Male

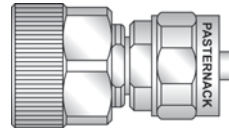


SMA Male

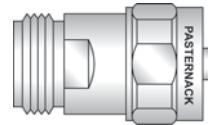
Max. Power (Watts)	Connector	Maximum Frequency.	Construction Material	VSWR Max.	Chain	Model No	1 Pc. Price	See Web for Volume Pricing	ROW	
2 W	2.92mm Male	40 GHz	Passivated Stainless Steel	1.25:1	No	PE6176	\$333.99	See Web for Volume Pricing	55	
	4.3-10 Male	6 GHz		1.15:1	Yes	PE6TR1045	\$45.16		56	
						PE6TR1046	\$45.16		57	
					Yes	PE6TR1047	\$52.10		58	
	4.3-10 Female	7/16 DIN Male	3 GHz	Silver Plated Brass	1.1:1		PE6190		\$63.85	59
				Aluminum		PE6TR1013	\$66.38		60	
	BNC Male	3 GHz	Tri-Metal Plated Brass	1.15:1	No	PE6196	\$27.87		61	
					Yes	PE6TR007	\$17.85		62	
	N Male	4 GHz	Nickel Plated Brass	1.1:1	No	PE6156	\$25.64		63	
					Yes	PE6TR008	\$20.16		64	
		6 GHz	Tri-Metal Plated Brass	1.2:1	No	PE6154	\$33.56		65	
					Yes	PE6TR010	\$23.97		66	
					No	PE6248	\$22.36		67	
					No	PE6249	\$18.75		68	
	18 GHz	Nickel Plated Brass	1.3:1	No	PE6TR009	\$14.85	69			
				Yes	PE6TR012	\$22.34	70			
	N Female	6 GHz	Tri-Metal Plated Brass	1.2:1	No	PE6075	\$72.25		71	
		18 GHz	Nickel Plated Brass	1.3:1	Yes	PE6009	\$53.20		72	
	QMA Male	3 GHz			1.1:1	No	PE6TR011		\$21.99	73
		6 GHz			1.3:1	No	PE6076		\$117.63	74
	SMA Male	18 GHz	Passivated Stainless Steel	1.3:1	No	PE6032	\$73.70		75	
					Yes	PE6TR1052	\$15.70		76	
	SMA Female	18 GHz	Passivated Stainless Steel	1.3:1	No	PE6TR1036	\$29.94		77	
					Yes	PE6082	\$68.42		78	
	TNC Male	6 GHz	Tri-Metal Plated Brass	1.2:1	No	PE6081	\$51.56		79	
					Yes	PE6084	\$92.74		80	
		18 GHz	Passivated Stainless Steel	1.25:1	No	PE6083	\$71.59		81	
					Yes	PE6TR014	\$13.45		82	
					No	PE6172	\$17.44		83	
					No	PE6TR013	\$15.18		84	
	TNC Female	6 GHz	Tri-Metal Plated Brass	1.2:1	No	PE6TR016	\$13.27		85	
		18 GHz	Passivated Stainless Steel	1.35:1	No	PE6090	\$127.40		86	
7/16 DIN Male	7 GHz	Tri-Metal Plated Brass	1.25:1	Yes	PE6089	\$124.22	87			
				No	PE6229	\$29.88	88			
7/16 DIN Female	7 GHz	Tri-Metal Plated Brass	1.25:1	No	PE6TR015	\$24.29	89			
				Yes	PE6092	\$176.10	90			
5 W	N Male	6 GHz	Aluminum	1.15:1	No	PE6091	\$140.17	91		
					Yes	PE6100	\$181.08	92		
	18 GHz	Black Anodized Aluminum Heatsink	1.25:1	No	PE6139	\$181.08	93			
				Yes	PE6187	\$36.07	94			
				No	PE6186	\$66.80	95			
				No	PE6097	\$130.22	96			
				No	PE6098	\$140.17	97			
				No	PE6095	\$115.91	98			
				No	PE6096	\$166.35	99			
				No	PE6099	\$165.00	1			
10 W	7/16 DIN Male	7 GHz	Black Anodized Aluminum Heatsink	1.25:1	No	PE6138	\$181.08	2		
					Yes	PE6105	\$302.41	3		
	7/16 DIN Female	7 GHz	Black Anodized Aluminum Heatsink	1.25:1	No	PE6141	\$312.02	4		
					Yes	PE6105	\$302.41	5		
	BNC Male	4 GHz			1.25:1	No	PE6141	\$312.02	6	
						Yes	PE6034	\$157.44	7	
	BNC Female	6 GHz			1.15:1	No	PE6101	\$219.73	8	
						Yes	PE6185	\$91.62	9	
	20 W	4.1/9.5 Mini DIN Male	2.7 GHz	Black Anodized Aluminum	1.33:1	No	PE6105	\$302.41	10	
						Yes	PE6185	\$91.62	11	
4.3-10 Male		2.7 GHz	Black Anodized Aluminum	1.33:1	No	PE6035	\$241.71	12		
					Yes	PE6102	\$271.83	13		
					No	PE6036	\$186.49	14		
					No	PE6103	\$239.66	15		
4.3-10 Male	2.7 GHz	Black Anodized Aluminum	1.33:1	No	PE6104	\$260.42	16			
				Yes	PE6140	\$315.92	17			

Terminations & Matching Pads

Interchangeable Connectors



PE44484



PE44486

Impedance (Ohms)	Connector Series	Frequency Range (GHz)	Gender	Polarity	Type	Model No	1	2-4	5-9	10+	ROW
50	3.5mm	DC - 26.5	Female	Standard	Connector	PE44488	\$636.83	\$624.09	\$611.36	\$598.62	2
			Male			PE44487	\$589.72	\$577.93	\$566.13	\$554.34	3
	N	DC - 18	Female			PE44486	\$395.88	\$387.96	\$380.04	\$372.13	4
			Male			PE44485	\$443.30	\$434.43	\$425.57	\$416.70	5

4 - IN - 1 CALIBRATION KITS

Product Features

- Lightweight Portable 4-in-1 Package
- Precision 3.5mm Connectors
- Gold Plated Short Open Load Thru
- Supports 26.5 GHz SOLT Calibration
- Calibration Coefficients on Data Sheet



Connector 1	Impedance (Ω)	Freq. Range (GHz)	Weight (lbs.)	Model No	1	2-4	5-9	10+	ROW
3.5mm Female Short Open Load Thru	50	DC to 26.5	2.752	PE5CK1012	\$3,744.69	\$3,669.80	\$3,594.90	\$3,520.01	6
3.5mm Male Short Open Load Thru				PE5CK1013	\$3,793.54	\$3,717.67	\$3,641.80	\$3,565.93	7

COAXIAL RF PROBES & PROBE POSITIONING HARDWARE

Product Features

PCB RF Probe Positioner ([PE5TL1000](#)): \$1,157.78

- RF PCB probe positioner holds coaxial probes
- Magnetic mounting plate
- On-Off positioner switch
- Articulated joints
- Multi-axis positioner control

Coaxial RF Microwave GS and GSG Probe Series ([PE2PB1000-PE2PB1003](#)):

- Max. Operating Frequency of 20 GHz
- RF probe Return Loss better than 10 dB
- GS and GSG Probes Feature Gold Plated Contacts
- Compliant coaxial GSG (or GS) pogo pins



Test & Measurement

RF MICROWAVE PROBES

Probe Tip Config.	Number of Ground	Pitch 1 (µm)	Pitch 2 (µm)	Connector 1	Imp. (Ω)	Freq. Max (GHz)	RL Max (dB)	IL Max (dB)	Model No	1-24	25-49	50-99	100+	ROW
GS	1	800	2500	3.5mm Female	50	20	10	0.5	PE2PB1002	\$580.54	\$539.90	\$499.26	\$464.43	8
	2	1500							PE2PB1003	\$597.75	\$555.91	\$514.07	\$478.20	9
GSG	4	800	PE2PB1000						\$623.55	\$579.90	\$536.25	\$498.84	10	
		1500	PE2PB1001						\$640.75	\$595.90	\$551.05	\$512.60	11	



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Same-Day Shipping, Even Custom Cable Assemblies

40 GHZ SKEW MATCHED CABLES

Product Features

- 1 ps Delay match
- Excellent VSWR of 1.4:1
- 100% tested up to 40 GHz
- Extremely Flexible
- Polarity indicators on cable ends



Connector 1	Connector 2	Max Frequency (GHz)	Max VSWR	Typ Insertion Loss (dB/ft)	Model No	1-24	25-49	50-99	100+	ROW
2.92mm Male	2.92mm Male	40	1.4:1	1.4	PE3C4680-12	\$990.47	\$921.14	\$851.80	\$792.38	12
				2.8	PE3C4680-24	\$1,097.42	\$1,020.60	\$943.78	\$877.94	13
				5.6	PE3C4680-48	\$1,311.32	\$1,219.53	\$1,127.74	\$1,049.06	14

HANDHELD RF ANALYZER RUGGED PHASE STABLE CABLE ASSEMBLIES

Product Features

- Designed for in-field measurements with handheld or portable analyzers
- Excellent VSWR as low as 1.2:1
- Excellent Phase Stability with Flexure as low as 1.5 degrees
- Rugged Armor provides 1200 p.s.i crush resistance plus torque resistance
- UV resistance jacket
- Each assembly is serialized and includes test data



Connector 1	Connector 2	Freq. Max (GHz)	Imp (Ohm)	VSWR	IL @ fmax (dB/ft)	Phase Stability with Flexure (Degrees)	Length (in)	Model No	1	2-4	5-9	10+	ROW					
N Male	7/16 DIN Male	7	50	1.2:1	2.16	1.5	60.0	PE3C4000-60	\$583.38	\$571.71	\$560.04	\$548.38	15					
							144.0	PE3C4000-144	\$764.98	\$749.68	\$734.38	\$719.08						
	7/16 DIN Female						9	50	1.2:1	2.16	1.5	60.0	PE3C4001-60	\$824.53	\$808.04	\$791.55	\$775.06	16
												144.0	PE3C4001-144	\$1,027.97	\$1,007.41	\$986.85	\$966.29	
	N Male	18	50	1.3:1	2.52	2.0						60.0	PE3C4002-60	\$476.20	\$466.68	\$457.15	\$447.63	17
												144.0	PE3C4002-144	\$702.46	\$688.41	\$674.36	\$660.31	
	N Male Right Angle						27	50	1.3:1	2.52	2.0	60.0	PE3C4003-60	\$732.23	\$717.59	\$702.94	\$688.30	18
												144.0	PE3C4003-144	\$1,008.53	\$988.36	\$968.19	\$948.02	
	N Female	27	50	1.3:1	2.52	2.0						60.0	PE3C4004-60	\$476.20	\$466.68	\$457.15	\$447.63	19
												144.0	PE3C4004-144	\$702.46	\$688.41	\$674.36	\$660.31	
	N Male						27	50	1.3:1	2.66	2.0	39.4	PE3C4005-100CM	\$613.15	\$600.89	\$588.62	\$576.36	20
												60.0	PE3C4006-100CM	\$773.91	\$758.43	\$742.95	\$727.48	
	N Male Right Angle	27	50	1.3:1	2.66	2.0						39.4	PE3C4007-100CM	\$613.15	\$600.89	\$588.62	\$576.36	22
												60.0	PE3C4008-60	\$663.76	\$650.48	\$637.21	\$623.93	
	N Female						27	50	1.3:1	3.89	2.0	60.0	PE3C4009-60	\$663.76	\$650.48	\$637.21	\$623.93	24
												60.0	PE3C4010-60	\$928.73	\$910.16	\$891.58	\$873.01	
	SMA Male	27	50	1.3:1	3.89	2.0						60.0	PE3C4011-60	\$928.73	\$910.16	\$891.58	\$873.01	26
												60.0	PE3C4012-100CM	\$839.41	\$822.62	\$805.83	\$789.05	
SMA Female	27						50	1.3:1	3.46	4.0	39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05	28	
											39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05		
TNC Male		27	50	1.3:1	3.46	4.0					39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05	28	
											39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05		
TNC Female	27						50	1.3:1	3.46	4.0	39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05	28	
											39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05		
3.5mm Male		3.5mm Female	27	50	1.3:1	3.46					4.0	39.4	PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05	28
39.4												PE3C4013-100CM	\$839.41	\$822.62	\$805.83	\$789.05		

Test & Measurement

Broadwall



WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Coupling (dB)	Directivity (dB)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-137	5.85 - 8.2	0.15	1.05:1	30	40	Round Cover UG-344/U	EAR99	PEWCP1031	\$1,396.28	\$1,340.43	\$1,284.58	\$1,228.73	57
				30	40	CPR-137G	EAR99	PEWCP1034	\$1,444.92	\$1,387.12	\$1,329.33	\$1,271.53	58

Crossguide*



WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Coupling (dB)	Directivity (dB)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-34	22 - 33	0.1	1.05:1	20	20	Square Cover UG-1530/U	EAR99	PEWCP1035	\$977.51	\$938.41	\$899.31	\$860.21	59
				30	20		EAR99	PEWCP1036	\$977.51	\$938.41	\$899.31	\$860.21	60
				40	25		EAR99	PEWCP1037	\$977.51	\$938.41	\$899.31	\$860.21	61
				50	10		EAR99	PEWCP1038	\$977.51	\$938.41	\$899.31	\$860.21	62
WR-42	18 - 26.5	0.1	1.05:1	20	30	Square Cover UG-595/U	EAR99	PEWCP1039	\$779.03	\$747.87	\$716.71	\$685.55	63
				30	20		EAR99	PEWCP1040	\$810.19	\$777.78	\$745.37	\$712.97	64
				40	20		EAR99	PEWCP1041	\$779.03	\$747.87	\$716.71	\$685.55	65
				50	10		EAR99	PEWCP1042	\$810.19	\$777.78	\$745.37	\$712.97	66
WR-51	15 - 22	0.1	1.05:1	20	20	Square Cover	EAR99	PEWCP1043	\$1,203.26	\$1,155.13	\$1,107.00	\$1,058.87	67
				30	30		EAR99	PEWCP1044	\$1,203.26	\$1,155.13	\$1,107.00	\$1,058.87	68
				40	30		EAR99	PEWCP1045	\$1,203.26	\$1,155.13	\$1,107.00	\$1,058.87	69
				50	10		EAR99	PEWCP1046	\$1,203.26	\$1,155.13	\$1,107.00	\$1,058.87	70
WR-62	12.4 - 18	0.1	1.05:1	20	20	Square Cover UG-419/U	EAR99	PEWCP1047	\$779.03	\$747.87	\$716.71	\$685.55	71
				30	10		EAR99	PEWCP1048	\$779.03	\$747.87	\$716.71	\$685.55	72
				40	30		EAR99	PEWCP1049	\$779.03	\$747.87	\$716.71	\$685.55	73
				50	10		EAR99	PEWCP1050	\$779.03	\$747.87	\$716.71	\$685.55	74
WR-75	10 - 15	0.1	1.05:1	20	25	Square Cover	EAR99	PEWCP1051	\$783.98	\$752.62	\$721.26	\$689.90	75
				30	25		EAR99	PEWCP1052	\$783.98	\$752.62	\$721.26	\$689.90	76
				40	15		EAR99	PEWCP1053	\$783.98	\$752.62	\$721.26	\$689.90	77
				50	10		EAR99	PEWCP1054	\$783.98	\$752.62	\$721.26	\$689.90	78
WR-90	8.2 - 12.4	0.1	1.05:1	20	20	Square Cover UG-39/U	EAR99	PEWCP1055	\$764.13	\$733.56	\$703.00	\$672.43	79
				20	25	CPR-90G	EAR99	PEWCP1059	\$818.71	\$785.96	\$753.21	\$720.46	80
				30	20	Square Cover UG-39/U	EAR99	PEWCP1056	\$764.13	\$733.56	\$703.00	\$672.43	81
				30	20	CPR-90G	EAR99	PEWCP1060	\$818.71	\$785.96	\$753.21	\$720.46	82
				40	10	Square Cover UG-39/U	EAR99	PEWCP1057	\$794.71	\$762.92	\$731.13	\$699.34	83
				40	10	CPR-90G	EAR99	PEWCP1061	\$818.71	\$785.96	\$753.21	\$720.46	84
				50	10	Square Cover UG-39/U	EAR99	PEWCP1058	\$794.71	\$762.92	\$731.13	\$699.34	85
				50	10	CPR-90G	EAR99	PEWCP1062	\$851.46	\$817.40	\$783.34	\$749.28	86
WR-112	7.05 - 10	0.1	1.05:1	20	45	Square Cover UG-51/U	EAR99	PEWCP1063	\$878.97	\$843.81	\$808.65	\$773.49	87
				20	25	CPR-112G	EAR99	PEWCP1067	\$888.18	\$852.65	\$817.13	\$781.60	88
				30	25	Square Cover UG-51/U	EAR99	PEWCP1064	\$878.97	\$843.81	\$808.65	\$773.49	89
				30	25	CPR-112G	EAR99	PEWCP1068	\$888.18	\$852.65	\$817.13	\$781.60	90
				40	20	Square Cover UG-51/U	EAR99	PEWCP1065	\$878.97	\$843.81	\$808.65	\$773.49	91
				40	20	CPR-112G	EAR99	PEWCP1069	\$888.18	\$852.65	\$817.13	\$781.60	92
				50	10	Square Cover UG-51/U	EAR99	PEWCP1066	\$914.14	\$877.57	\$841.01	\$804.44	93
				50	10	CPR-112G	EAR99	PEWCP1070	\$923.72	\$886.77	\$849.82	\$812.87	94
WR-137	5.85 - 8.2	0.1	1.05:1	20	25	Round Cover UG-344/U	EAR99	PEWCP1071	\$893.14	\$857.41	\$821.69	\$785.96	95
				20	20	CPR-137G	EAR99	PEWCP1075	\$853.46	\$819.32	\$785.18	\$751.04	96
				30	20	Round Cover UG-344/U	EAR99	PEWCP1072	\$893.14	\$857.41	\$821.69	\$785.96	97

*These WG crossguide couplers are available as assemblies with termination and/or with WG to Coax Adapters, see WG Coupler Assemblies or visit our website

See Our Website For Current Pricing & Real-Time Stock Availability!

Waveguides

Crossguide*



WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Coupling (dB)	Directivity (dB)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-137	5.85 - 8.2	0.1	1.05:1	30	20	CPR-137G	EAR99	PEWCP1076	\$853.46	\$819.32	\$785.18	\$751.04	98
				40	20	Round Cover UG-344/U	EAR99	PEWCP1073	\$893.14	\$857.41	\$821.69	\$785.96	99
				40	20	CPR-137G	EAR99	PEWCP1077	\$853.46	\$819.32	\$785.18	\$751.04	1
				50	10	Round Cover UG-344/U	EAR99	PEWCP1074	\$893.14	\$857.41	\$821.69	\$785.96	2
				50	10	CPR-137G	EAR99	PEWCP1078	\$853.46	\$819.32	\$785.18	\$751.04	3

*These WG crossguide couplers are available as assemblies with termination and/or with WG to Coax Adapters, see WG Coupler Assemblies or visit our website

See Our Website For Current Pricing & Real-Time Stock Availability!

WAVEGUIDE COUPLER ASSEMBLIES

WG Crossguide Coupler	WG Crossguide Coupler with Termination	WG Crossguide Coupler with Termination & Coax Adapter SMA/ Type N	Conn. Type
PEWCP1035	PEWCT1000	PEWCT1044	2.92mm
PEWCP1036	PEWCT1001	PEWCT1045	2.92mm
PEWCP1037	PEWCT1002	PEWCT1046	2.92mm
PEWCP1038	PEWCT1003	PEWCT1047	2.92mm
PEWCP1039	PEWCT1004	PEWCT1048	SMA
PEWCP1040	PEWCT1005	PEWCT1049	SMA
PEWCP1041	PEWCT1006	PEWCT1050	SMA
PEWCP1042	PEWCT1007	PEWCT1051	SMA
PEWCP1043	PEWCT1008	PEWCT1052	SMA
PEWCP1044	PEWCT1009	PEWCT1053	SMA
PEWCP1045	PEWCT1010	PEWCT1054	SMA
PEWCP1046	PEWCT1011	PEWCT1055	SMA
PEWCP1047	PEWCT1012	PEWCT1056	SMA
PEWCP1048	PEWCT1013	PEWCT1057	SMA
PEWCP1049	PEWCT1014	PEWCT1058	SMA
PEWCP1050	PEWCT1015	PEWCT1059	SMA
PEWCP1051	PEWCT1016	PEWCT1060	SMA
		PEWCT1064	N
PEWCP1052	PEWCT1017	PEWCT1061	SMA
		PEWCT1065	N
PEWCP1053	PEWCT1018	PEWCT1062	SMA
		PEWCT1066	N
PEWCP1054	PEWCT1019	PEWCT1063	SMA
		PEWCT1067	N
PEWCP1055	PEWCT1020	PEWCT1068	SMA
		PEWCT1076	N
PEWCP1056	PEWCT1021	PEWCT1069	SMA
		PEWCT1077	N
PEWCP1057	PEWCT1022	PEWCT1070	SMA
		PEWCT1078	N
PEWCP1058	PEWCT1023	PEWCT1071	SMA
		PEWCT1079	N
PEWCP1059	PEWCT1024	PEWCT1072	SMA
		PEWCT1080	N
PEWCP1060	PEWCT1025	PEWCT1073	SMA
		PEWCT1081	N

WG Crossguide Coupler	WG Crossguide Coupler with Termination	WG Crossguide Coupler with Termination & Coax Adapter SMA/ Type N	Conn. Type
PEWCP1061	PEWCT1026	PEWCT1074	SMA
		PEWCT1082	N
PEWCP1062	PEWCT1027	PEWCT1075	SMA
		PEWCT1083	N
PEWCP1063	PEWCT1028	PEWCT1084	SMA
		PEWCT1092	N
PEWCP1064	PEWCT1029	PEWCT1085	SMA
		PEWCT1093	N
PEWCP1065	PEWCT1030	PEWCT1086	SMA
		PEWCT1094	N
PEWCP1066	PEWCT1031	PEWCT1087	SMA
		PEWCT1095	N
PEWCP1067	PEWCT1032	PEWCT1088	SMA
		PEWCT1096	N
PEWCP1068	PEWCT1033	PEWCT1089	SMA
		PEWCT1097	N
PEWCP1069	PEWCT1034	PEWCT1090	SMA
		PEWCT1098	N
PEWCP1070	PEWCT1035	PEWCT1091	SMA
		PEWCT1099	N
PEWCP1071	PEWCT1036	PEWCT1100	SMA
		PEWCT1108	N
PEWCP1072	PEWCT1037	PEWCT1101	SMA
		PEWCT1109	N
PEWCP1073	PEWCT1038	PEWCT1102	SMA
		PEWCT1110	N
PEWCP1074	PEWCT1039	PEWCT1103	SMA
		PEWCT1111	N
PEWCP1075	PEWCT1040	PEWCT1104	SMA
		PEWCT1112	N
PEWCP1076	PEWCT1041	PEWCT1105	SMA
		PEWCT1113	N
PEWCP1077	PEWCT1042	PEWCT1106	SMA
		PEWCT1114	N
PEWCP1078	PEWCT1043	PEWCT1107	SMA
		PEWCT1115	N

Waveguides



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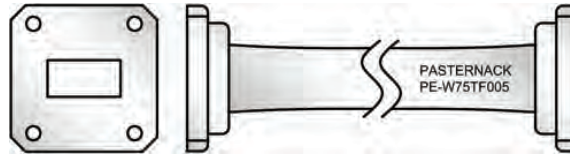


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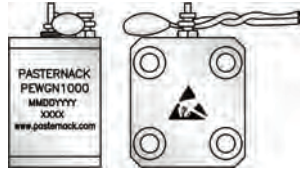
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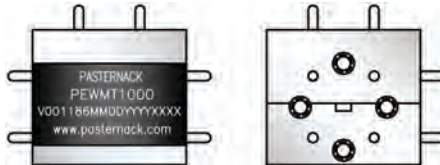
Waveguide Type	RF Frequency (GHz.)	IL (dB)	Max VSWR	Length (in)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-137	5.85 - 8.2	0.07	1.05:1	12	Round Cover UG-344/U	EAR99	PE-W137TF005-12	\$632.16	\$606.87	\$581.59	\$556.30	18
		0.14	1.05:1	24	Round Cover UG-344/U	EAR99	PE-W137TF005-24	\$722.45	\$693.55	\$664.65	\$635.76	19
		0.18	1.05:1	36	Round Cover UG-344/U	EAR99	PE-W137TF005-36	\$812.76	\$780.25	\$747.74	\$715.23	20

WAVEGUIDE GUNN OSCILLATORS



WG Type	Center Freq. (GHz.)	Tuning Range (GHz.)	Freq. Stability (MHz/deg C)	Phase Noise (dBc/Hz)	Output Power (dBm)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-28	35	3	-0.4	-95	10	Square Cover UG-599/U	EAR99	PEWGN1000	\$329.96	\$310.16	\$293.66	\$280.47	21
WR-42	24.125	1,000 MHz	-0.2	-98	10	Square Cover UG-595/U	EAR99	PEWGN1001	\$295.23	\$277.52	\$262.75	\$250.95	22

WAVEGUIDE MAGIC TEES



Waveguide Type	RF Frequency (GHz.)	Flange Type	IL (dB)	Min Isolation (dB)	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-10	75 - 110	Round Cover UG-387/U-Mod	1	25	EAR99	PEWMT1000	\$2,480.97	\$2,381.73	\$2,282.49	\$2,183.25	23
WR-12	60 - 90	Round Cover UG-387/U			EAR99	PEWMT1001	\$2,506.48	\$2,406.22	\$2,305.96	\$2,205.70	24
WR-15	50 - 75	Round Cover UG-385/U			EAR99	PEWMT1002	\$2,377.47	\$2,282.37	\$2,187.27	\$2,092.17	25
WR-19	40 - 60	Round Cover UG-383/U-Mod	0.8	25	EAR99	PEWMT1003	\$2,144.26	\$2,058.49	\$1,972.72	\$1,886.95	26
WR-22	33 - 50	Round Cover UG-383/U	0.7		EAR99	PEWMT1004	\$2,144.26	\$2,058.49	\$1,972.72	\$1,886.95	27
WR-28	26.5 - 40	Square Cover UG-599/U	0.5		EAR99	PEWMT1005	\$2,042.54	\$1,960.84	\$1,879.14	\$1,797.44	28
WR-42	18 - 26.5	Square Cover UG-595/U		EAR99	PEWMT1006	\$2,002.49	\$1,922.39	\$1,842.29	\$1,762.19	29	

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WAVEGUIDE PHASE SHIFTERS



WG Type	RF Freq. (GHz.)	Phase Range (GHz.)	Input Power (Watts)	IL (dB)	Length (in)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-10	75 - 110	0 - 180°	0.6	1	3	Round Cover UG-387/U-Mod	EAR99	PE-W10PS1001	\$2,091.09	\$2,007.45	\$1,923.80	\$1,840.16	30
WR-12	60 - 90	0 - 180°	0.7	1	3	Round Cover UG-387/U	EAR99	PE-W12PS1001	\$2,091.09	\$2,007.45	\$1,923.80	\$1,840.16	31
WR-15	50 - 75	0 - 180°	0.8	1	3	Round Cover UG-385/U	EAR99	PE-W15PS1001	\$2,091.09	\$2,007.45	\$1,923.80	\$1,840.16	32
WR-19	40 - 60	0 - 180°	1	1	3	Round Cover UG-383/U-Mod	EAR99	PE-W19PS1001	\$2,091.09	\$2,007.45	\$1,923.80	\$1,840.16	33
WR-22	33 - 50	0 - 180°	1	1	4	Round Cover UG-383/U	EAR99	PE-W22PS1001	\$2,091.09	\$2,007.45	\$1,923.80	\$1,840.16	34
WR-28	26.5 - 40	0 - 180°	1	1	4	Square Cover UG-599/U	EAR99	PE-W28PS1001	\$2,132.92	\$2,047.60	\$1,962.29	\$1,876.97	35
WR-42	18 - 26.5	0 - 180°	1.5	1	4	Square Cover UG-595/U	EAR99	PE-W42PS1001	\$2,091.09	\$2,007.45	\$1,923.80	\$1,840.16	36

WAVEGUIDE PIN DIODE SWITCHES



WG Type	Switch Type	RF Freq. (GHz.)	IL (dB)	Min Isolation (dB)	Max Switching (in)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-10	SPST/ Reflective SPDT/ Reflective	75 - 110	5.5	20	300	Round Cover UG-387/U	EAR99	PE71S9003	\$8,336.00	\$7,835.84	\$7,419.04	\$7,085.60	37
			7	20	300	Round Cover UG-387/U	EAR99	PE71S9004	\$9,899.00	\$9,305.06	\$8,810.11	\$8,414.15	38
WR-12	SPST/ Reflective SPDT/ Reflective	60 - 90	4.5	20	300	Round Cover UG-387/U	EAR99	PE71S9001	\$7,640.99	\$7,182.53	\$6,800.48	\$6,494.84	39
			6	20	300	Round Cover UG-387/U	EAR99	PE71S9002	\$9,031.02	\$8,489.16	\$8,037.61	\$7,676.37	40

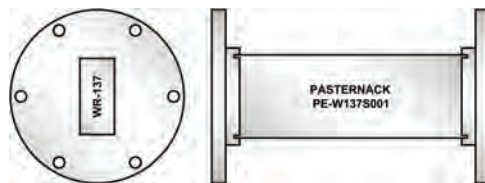
PIN DIODE SWITCHES, see page [190](#)

WAVEGUIDE POWER AMPLIFIERS



Waveguide Type	RF Frequency (GHz.)	Min Gain (dB)	Psat (dBm)	Flange Type	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-12	70.5 - 76.5	25	20	Round Cover UG-387/U	EAR99	PE15A4023	\$10,766.99	\$10,120.97	\$9,582.62	\$9,151.94	41
	80.5 - 86.5	20	19	Round Cover UG-387/U	EAR99	PE15A4024	\$11,201.50	\$10,529.41	\$9,969.34	\$9,521.28	42

WAVEGUIDE SECTIONS



See Our Website For Current Pricing & Real-Time Stock Availability!

WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Length (in)	Flange Type	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
WR-10	75 - 110			3	Round Cover UG-387/U-Mod	EAR99	PE-W10S001-3	\$468.28		43
				6		EAR99	PE-W10S001-6	\$472.37		44
WR-12	60 - 90	0.82		12	Round Cover UG-387/U	EAR99	PE-W12S001-12	\$488.44		45
		0.25		3		EAR99	PE-W12S001-3	\$359.02		46
		0.44		6		EAR99	PE-W12S001-6	\$406.38		47
				9		EAR99	PE-W12S001-9	\$470.38		48
WR-15	50 - 75	0.64		12	Round Cover UG-385/U	EAR99	PE-W15S001-12	\$543.03		49
		0.2		3		EAR99	PE-W15S001-3	\$383.74		50
		0.34		6		EAR99	PE-W15S001-6	\$419.94		51
		0.49		9		EAR99	PE-W15S001-9	\$459.92		52
WR-19	40 - 60	0.44		12	Round Cover UG-383/U-Mod	EAR99	PE-W19S001-12	\$522.64		53
		0.15		3		EAR99	PE-W19S001-3	\$356.31		54
		0.25		6		EAR99	PE-W19S001-6	\$404.18		55
		0.34		9		EAR99	PE-W19S001-9	\$459.92		56
WR-22	33 - 50	0.36	1.06:1	12	Round Cover UG-383/U	EAR99	PE-W22S001-12	\$505.22		57
		0.13		3		EAR99	PE-W22S001-3	\$352.94		58
		0.21		6		EAR99	PE-W22S001-6	\$371.22		59
		0.29		9		EAR99	PE-W22S001-9	\$420.07		60
WR-28	26.5 - 40	0.28		12	Square Cover UG-599/U	EAR99	PE-W28S001-12	\$524.92		61
		0.11		3		EAR99	PE-W28S001-3	\$363.03		62
		0.17		6		EAR99	PE-W28S001-6	\$405.46		63
		0.22		9		EAR99	PE-W28S001-9	\$435.54		64
WR-42	18 - 26.5	0.12		12	Square Cover UG-595/U	EAR99	PE-W42S001-12	\$524.92		65
		0.15		6		EAR99	PE-W42S001A-6	\$365.40		66
		0.08		9		EAR99	PE-W42S001A-9	\$407.04		67
		0.13		3		EAR99	PE-W42S002-3	\$379.85		68
WR-51	15 - 22	0.07		12	UBR180	EAR99	PE-W51S001-12	\$495.97		69
		0.09		3		EAR99	PE-W51S001-3	\$376.17		70
		0.11		6		EAR99	PE-W51S001-6	\$365.40		71
				9		EAR99	PE-W51S001-9	\$394.02		72
WR-62	12.4 - 18	0.08		12	Square Cover UG-419/U	EAR99	PE-W62S002-12	\$571.02		73
		0.1		6		EAR99	PE-W62S002-6	\$450.15		74
				9		EAR99	PE-W62S002-9	\$504.33		75
				12		EAR99	PE-W62S001-12	\$332.78		76
WR-75	10 - 15			3	UBR120	EAR99	PE-W62S001-3	\$312.60		77
				6		EAR99	PE-W62S001-6	\$319.34		78
				9		EAR99	PE-W62S001-9	\$326.06		79
				12		EAR99	PE-W75S001-12	\$294.75		80
WR-90	8.2 - 12.4			3	Square Cover UG-39/U	EAR99	PE-W75S001-3	\$302.53		81
				6		EAR99	PE-W75S001-6	\$312.60		82
				9		EAR99	PE-W75S001-9	\$319.34		83
				12		EAR99	PE-W90S001-12	\$249.52		84
WR-112	7.05 - 10			3	CPR-90G	EAR99	PE-W90S001-3	\$205.05		85
				6		EAR99	PE-W90S001-6	\$208.40		86
				9		EAR99	PE-W90S001-9	\$238.66		87
				12		EAR99	PE-W90S002-12	\$309.62		88
WR-137	5.85 - 8.2			3	Square Cover UG-51/U	EAR99	PE-W90S002-3	\$276.87		89
				6		EAR99	PE-W90S002-6	\$303.14		90
				9		EAR99	PE-W90S002-9	\$297.71		91
				12		EAR99	PE-W112S001-12	\$321.53		92
WR-22	33 - 50			3	Round Cover UG-344/U	EAR99	PE-W112S001-3	\$315.97		93
				6		EAR99	PE-W112S001-6	\$303.68		94
				9		EAR99	PE-W112S001-9	\$352.94		95
				12		EAR99	PE-W137S001-12	\$383.58		96
WR-28	26.5 - 40			3	CPR-137G	EAR99	PE-W137S001-3	\$337.18		97
				6		EAR99	PE-W137S001-6	\$339.39		98
				9		EAR99	PE-W137S001-9	\$371.21		99
				12		EAR99	PE-W137S002-12	\$400.01		1
WR-34	20 - 33			3	Square Cover UG-383/U	EAR99	PE-W137S002-3	\$336.14		2
				6		EAR99	PE-W137S002-6	\$363.03		3
				9		EAR99	PE-W137S002-9	\$349.55		4
				12		EAR99	PEWSP1000	\$590.48		5
				4	Square Cover UG-599/U	EAR99	PEWSP1001	\$521.00		6
					Square Cover UG-1530/U	EAR99	PEWSP1002	\$538.38		7

See Web for Volume Pricing



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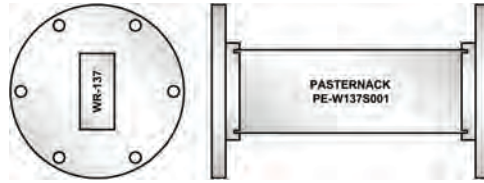
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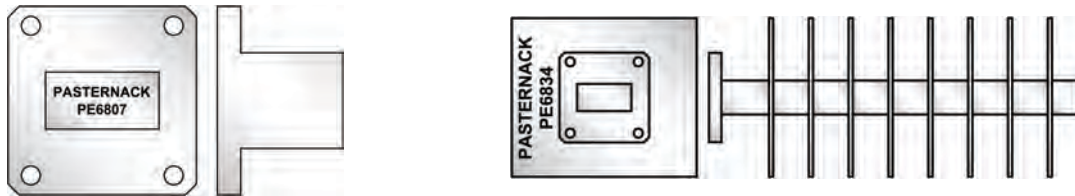
Waveguides

WAVEGUIDE SECTIONS



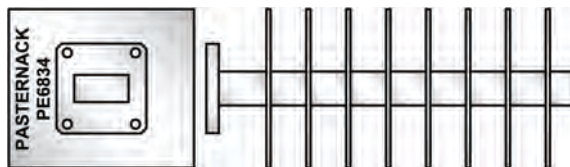
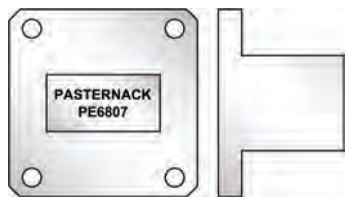
WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Length (in)	Flange Type	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
WR-42	18 - 26.5			4	Square Cover UG-595/U	EAR99	PEWSP1003	\$521.00	See Web for Volume Pricing	8
WR-51	15 - 22				Square Cover	EAR99	PEWSP1004	\$555.75		9
WR-62	12.4 - 18				Square Cover UG-419/U	EAR99	PEWSP1005	\$527.96		10
WR-75	10 - 15				Square Cover	EAR99	PEWSP1006	\$538.38		11
WR-90	8.2 - 12.4				Square Cover UG-39/U	EAR99	PEWSP1007	\$555.75		12
					CPR-90G	EAR99	PEWSP1008	\$562.68		13
WR-112	7.05 - 10				Square Cover UG-51/U	EAR99	PEWSP1009	\$573.10		14
					CPR-112G	EAR99	PEWSP1010	\$576.59		15
WR-137	5.85 - 8.2				Round Cover UG-344/U	EAR99	PEWSP1011	\$597.43		16
					CPR-137G	EAR99	PEWSP1012	\$583.52		17

WAVEGUIDE TERMINATIONS



Waveguide Type	RF Frequency (GHz.)	Input Power (Watts)	Max VSWR	Length (in)	Flange Type	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
WR-10	75 - 110	0.4	1.25:1	2	Round Cover UG-387/U-Mod	EAR99	PE-W10TR1001	\$500.59	See Web for Volume Pricing	18
WR-12	60 - 90	0.6	1.2:1		Round Cover UG-387/U	EAR99	PE-W12TR1001	\$500.59		19
WR-15	50 - 75	1	1.2:1		Round Cover UG-385/U	EAR99	PE-W15TR1001	\$500.59		20
WR-19	40 - 60	2	1.09:1		Round Cover UG-383/U-Mod	EAR99	PE-W19TR1001	\$467.84		21
WR-22	33 - 50	4	1.07:1		Round Cover UG-383/U	EAR99	PE-W22TR1001	\$467.84		22
WR-28	26.5 - 40	0.5	1.3:1	1	Square Cover UG-599/U	EAR99	PE6800	\$398.15	23	
		0.5	1.05:1	2	Square Cover	EAR99	PE6809	\$784.63	24	
		0.5	1.02:1		Square Cover UG-599/U	EAR99	PEWTR1000	\$632.16	25	
		5	1.07:1	2	Square Cover UG-599/U	EAR99	PE-W28TR1001	\$500.59	26	
		40	1.07:1	3	Square Cover	EAR99	PE6818	\$874.78	27	
WR-34	22 - 33	75	1.2:1	4	Square Cover	EAR99	PE6200	\$795.43	28	
		0.5	1.25:1	1	Square Cover	EAR99	PE6801	\$289.62	29	
		0.5	1.05:1	3	Square Cover	EAR99	PE6810	\$754.44	30	
		1	1.25:1		Square Cover UG-1530/U	EAR99	PEWTR1001	\$583.52	31	
		40	1.07:1	4	Square Cover	EAR99	PE6819	\$1,224.17	32	
WR-42	18 - 26.5	75	1.1:1		Square Cover	EAR99	PE6828	\$1,141.52	33	
		0.5	1.25:1	1	Square Cover UG-597/U	EAR99	PE6802	\$388.80	34	
		0.5	1.05:1	3	Square Cover	EAR99	PE6811	\$863.82	35	
		1	1.02:1		Square Cover UG-595/U	EAR99	PEWTR1002	\$548.80	36	
		6	1.08:1	3	Square Cover UG-595/U	EAR99	PE-W42TR1001	\$500.59	37	
WR-51	15 - 18	50	1.07:1	4	Square Cover	EAR99	PE6820	\$856.11	38	
		100	1.1:1		Square Cover	EAR99	PE6829	\$879.63	39	
		1	1.2:1	1	Square Cover	EAR99	PE6803	\$356.69	40	
		1	1.05:1	3	Square Cover	EAR99	PE6812	\$955.07	41	
		1	1.02:1		Square Cover	EAR99	PEWTR1003	\$569.64	42	
WR-62	12.4 - 18	55	1.07:1	4	Square Cover	EAR99	PE6821	\$856.11	43	
		100	1.1:1		Square Cover	EAR99	PE6830	\$1,187.18	44	
		1.5	1.05:1		Square Cover	EAR99	PE6201	\$946.28	45	
		1.5	1.02:1		Square Cover UG-419/U	EAR99	PEWTR1004	\$534.89	46	
		2	1.2:1	1	Square Cover	EAR99	PE6804	\$380.99	47	
WR-62	12.4 - 18	60	1.07:1	4	Square Cover	EAR99	PE6836	\$803.06	48	
		175	1.1:1		Square Cover	EAR99	PE6831	\$1,141.52	49	

WAVEGUIDE TERMINATIONS



Waveguide Type	RF Frequency (GHz.)	Input Power (Watts)	Max VSWR	Length (in)	Flange Type	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
WR-75	10 - 15	2	1.2:1	1	Square Cover	EAR99	PE6805	\$597.25	See Web for Volume Pricing	50
		2	1.05:1	4	Square Cover	EAR99	PE6814	\$741.97		51
		2.5	1.02:1		Square Cover	EAR99	PEWTR1005	\$576.06		52
		75	1.07:1	5	Square Cover	EAR99	PE6823	\$742.74		53
		175	1.1:1	6	Square Cover	EAR99	PE6832	\$1,244.62		54
WR-90	8.2 - 12.4	2	1.2:1	1	Square Cover UG-135/U	EAR99	PE6806	\$445.23		55
		2	1.05:1	4	Square Cover	EAR99	PE6815	\$741.97		56
		4	1.02:1		Square Cover UG-39/U	EAR99	PEWTR1006	\$527.96		57
		4	1.02:1		CPR-90G	EAR99	PEWTR1007	\$538.38		58
		90	1.07:1	6	Square Cover	EAR99	PE6824	\$1,068.78		59
		200	1.1:1		Square Cover	EAR99	PE6833	\$1,417.68		60
WR-102	7 - 11	2	1.2:1	1	Square Cover	EAR99	PE6807	\$408.11	61	
		2	1.05:1	4	Square Cover	EAR99	PE6816	\$713.43	62	
		300	1.1:1	7	Square Cover	EAR99	PE6834	\$1,479.33	63	
WR-112	7.05 - 10	2	1.2:1	1	Square Cover	EAR99	PE6808	\$428.10	64	
		2	1.05:1	5	Square Cover	EAR99	PE6817	\$713.43	65	
		5	1.02:1		Square Cover UG-51/U	EAR99	PEWTR1008	\$562.68	66	
		5	1.02:1		CPR-112G	EAR99	PEWTR1009	\$609.51	67	
		100	1.07:1	7	Square Cover	EAR99	PE6826	\$998.89	68	
		300	1.1:1		Square Cover	EAR99	PE6835	\$1,978.76	69	
WR-137	5.85 - 8.2	6	1.02:1		Round Cover UG-344/U	EAR99	PEWTR1010	\$593.94	70	
		6	1.02:1		CPR-137G	EAR99	PEWTR1011	\$597.41	71	

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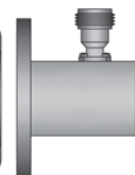
WAVEGUIDE TO COAX ADAPTERS



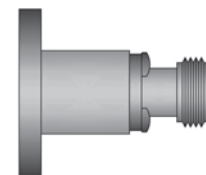
SMA Male



N Female



N Female



WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Flange Type	Connector	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	ROW
WR-10	75 - 110	1	1.9:1	Round Cover UG-387/U-Mod	1.0mm Female	EAR99	PE-W10CA001	\$5,210.00	See Web for Volume Pricing	72
					1.0mm Male	EAR99	PE-W10CA002	\$5,210.00		73
WR-12	60 - 90	1	1.67:1	Round Cover UG-387/U	1.0mm Female	EAR99	PE-W12CA001	\$5,199.79		74
					1.0mm Male	EAR99	PE-W12CA002	\$5,036.33		75
WR-15	50 - 65	0.5	1.44:1	Round Cover UG-385/U	1.85mm Female	EAR99	PE-W15CA001	\$1,403.93		76
					1.85mm Male	EAR99	PE-W15CA002	\$1,446.42		77
WR-19	40 - 60	0.4	1.38:1	Round Cover UG-383/U-Mod	1.85mm Female	EAR99	PE-W19CA001	\$1,509.18		78
					1.85mm Male	EAR99	PE-W19CA002	\$1,371.98		79
WR-22	33 - 50	0.4	1.33:1	Round Cover UG-383/U	2.4mm Female	EAR99	PE-W22CA001	\$1,451.87		80
					2.4mm Male	EAR99	PE-W22CA002	\$1,319.88		81
WR-28	26.5 - 40	0.35	1.29:1	Square Cover UG-599/U	2.92mm Female	EAR99	PE-W28CA001	\$719.16		82
					2.92mm Male	EAR99	PE-W28CA002	\$762.91	83	
		2.92mm Female	EAR99		PEWCA1000	\$824.73	84			
		2.92mm Female	EAR99		PEWCA1020	\$618.25	85			
		0.3	1.4:1	Square Cover	2.92mm Female	EAR99	PE9826	\$474.45	86	
					2.92mm Female	EAR99	PEWCA1001	\$708.58	87	
WR-34	22 - 33	0.3	1.25:1	Square Cover UG-1530/U	2.92mm Female	EAR99	PEWCA1021	\$583.52	88	
					2.92mm Female	EAR99	PE9827	\$827.54	89	
WR-42	18 - 26.5	0.75	1.25:1	Square Cover UG-595/U	SMA Female	EAR99	PEWCA1018	\$741.91	90	
					2.92mm Female	EAR99	PEWCA1019	\$502.97	91	
		0.3	1.29:1		2.92mm Female	EAR99	PE-W42CA001	\$762.91	92	
				2.92mm Male	EAR99	PE-W42CA002	\$762.91	93		

Waveguides



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WAVEGUIDE TO COAX ADAPTERS



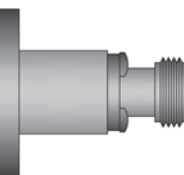
SMA Male



N Female



N Female



WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Flange Type	Connector	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	Row
WR-42	18 - 26.5	0.3	1.3:1	Square Cover UG-597/U	2.92mm Female	EAR99	PEWCA1022	\$489.74	See Web for Volume Pricing	94
				Square Cover	2.92mm Female	EAR99	PE9878	\$511.12		95
WR-51	15 - 22	0.3	1.4:1	Square Cover UG-595/U	2.92mm Male	EAR99	PE9813A	\$610.70		96
				Square Type	2.92mm Female	EAR99	PE9812	\$450.33		97
WR-62	12.4 - 18	0.3	1.25:1	Square Cover	SMA Female	EAR99	PEWCA1002	\$527.96		98
				Square Type	SMA Female	EAR99	PEWCA1027	\$736.36		99
WR-75	10 - 15	0.3	1.3:1	Square Type	SMA Female	EAR99	PE9828	\$508.12		1
				Square Type	SMA Female	EAR99	PE9879	\$728.56		2
WR-90	8.2 - 12.4	0.3	1.2:1	Square Cover UG-1665/U	SMA Male	EAR99	PE9809	\$371.67		3
				Square Cover UG-1665/U	SMA Female	EAR99	PEWCA1003	Call		4
WR-102	7 - 11	0.3	1.25:1	Square Cover UG-1665/U	SMA Female	EAR99	PEWCA1023	\$430.69		5
				Square Type	SMA Female	EAR99	PE9803	\$373.66		6
WR-112	7.05 - 10	0.3	1.4:1	Square Type	N Male	EAR99	PE9806	\$516.17		7
				Square Type	SMA Female	EAR99	PE9846	\$550.96		8
WR-122	7.05 - 10	0.3	1.25:1	Square Type	N Female	EAR99	PE9866	\$663.27		9
				Square Type	N Female	EAR99	PE9875	\$357.25		10
WR-132	7.05 - 10	0.3	1.25:1	Square Cover	SMA Female	EAR99	PEWCA1004	\$583.54		11
				Square Cover	N Female	EAR99	PEWCA1005	\$641.88		12
WR-142	7.05 - 10	0.3	1.25:1	Square Cover	SMA Female	EAR99	PEWCA1024	\$409.85		13
				Square Cover	N Female	EAR99	PEWCA1029	\$656.46		14
WR-152	7.05 - 10	0.3	1.3:1	Square Type	SMA Female	EAR99	PE9819	\$360.87		15
				Square Type	N Female	EAR99	PE9874	\$436.38		16
WR-162	7.05 - 10	0.3	1.4:1	Square Type	SMA Female	EAR99	PE9847	\$602.50		17
				Square Type	N Female	EAR99	PE9867	\$652.96		18
WR-172	7.05 - 10	0.3	1.2:1	Square Cover	7mm Sexless	EAR99	PE9815	\$751.06		19
				Square Cover	SMA Female	EAR99	PEWCA1032	\$659.93		20
WR-182	7.05 - 10	0.3	1.25:1	CMR-90	N Female	EAR99	PEWCA1033	\$659.93		21
				CMR-90	SMA Female	EAR99	PEWCA1007	\$503.63		22
WR-192	7.05 - 10	0.3	1.25:1	CPR-90G	N Female	EAR99	PEWCA1009	\$541.84	23	
				CPR-90G	SMA Female	EAR99	PEWCA1034	\$639.09	24	
WR-202	7.05 - 10	0.3	1.25:1	Square Cover UG-135/U	N Female	EAR99	PEWCA1036	\$666.88	25	
				Square Cover UG-135/U	N Female	EAR99	PE9868	\$703.19	26	
WR-212	7.05 - 10	0.3	1.25:1	Square Cover UG-135/U	SMA Female	EAR99	PEWCA1025	\$399.43	27	
				Square Cover UG-135/U	N Female	EAR99	PEWCA1031	\$666.88	28	
WR-222	7.05 - 10	0.3	1.25:1	Square Cover UG-39/U	SMA Female	EAR99	PEWCA1006	\$604.36	29	
				Square Cover UG-39/U	N Female	EAR99	PEWCA1008	\$650.21	30	
WR-232	7.05 - 10	0.3	1.25:1	UDR100	N Female	EAR99	PE9883	\$354.33	31	
				CPR-90G	N Female	EAR99	PE9873	\$447.97	32	
WR-242	7.05 - 10	0.3	1.3:1	Square Type	N Female	EAR99	PE9801	\$364.79	33	
				Square Type	N Female	EAR99	PE9804	\$354.26	34	
WR-252	7.05 - 10	0.3	1.3:1	Square Type	SMA Male	EAR99	PE9810	\$427.54	35	
				Square Type	SMA Female	EAR99	PE9848	\$531.12	36	
WR-262	7.05 - 10	0.3	1.3:1	Square Type	N Male	EAR99	PE9889	\$413.15	37	
				Square Type	N Female	EAR99	PE9869	\$441.19	38	
WR-272	7.05 - 10	0.3	1.25:1	Square Cover UG-1493/U	SMA Female	EAR99	PE9805	\$513.72	39	
				Square Cover UG-1493/U	SMA Male	EAR99	PE9811	\$264.90	40	
WR-282	7.05 - 10	0.3	1.3:1	Square Cover	N Female	EAR99	PE9802	\$458.07	41	
				Square Type	N Male	EAR99	PE9890	\$413.15	42	
WR-292	7.05 - 10	0.3	1.4:1	Square Type	SMA Female	EAR99	PE9871	\$419.21	43	
				Square Type	SMA Female	EAR99	PEWCA1042	\$659.93	44	
WR-302	7.05 - 10	0.3	1.25:1	CMR-112	N Female	EAR99	PEWCA1043	\$659.93	45	
				CMR-112	SMA Female	EAR99	PEWCA1011	\$641.88	46	
WR-312	7.05 - 10	0.3	1.25:1	CPR-112G	N Female	EAR99	PEWCA1013	\$548.80	47	
				CPR-112G	SMA Female	EAR99	PEWCA1044	\$656.46	48	
WR-322	7.05 - 10	0.3	1.25:1	Square Cover UG-138/U	N Female	EAR99	PEWCA1045	\$673.84	49	
				Square Cover UG-138/U	SMA Female	EAR99	PEWCA1040	\$656.46	50	
WR-332	7.05 - 10	0.3	1.25:1	Square Cover UG-138/U	N Female	EAR99	PEWCA1041	\$673.84	51	
				Square Cover UG-138/U	SMA Female	EAR99	PEWCA1010	\$641.88	52	
WR-342	7.05 - 10	0.3	1.25:1	Square Cover UG-51/U	N Female	EAR99	PEWCA1012	\$658.56	53	
				Square Cover UG-51/U	N Female	EAR99	PE9837	\$569.11	54	
WR-352	7.05 - 10	0.3	1.3:1	CPR-112G	N Female	EAR99	PE9820	\$370.67	55	
				CPR-112G	N Female	EAR99	PE9870	\$513.05	56	
WR-362	7.05 - 10	0.3	1.3:1	Square Type	SMA Female	EAR99	PE9884	\$347.06	57	
				Square Type	SMA Female	EAR99	PE9865	\$595.38	58	

WAVEGUIDE TO COAX ADAPTERS



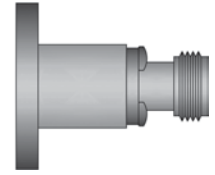
SMA Male



N Female



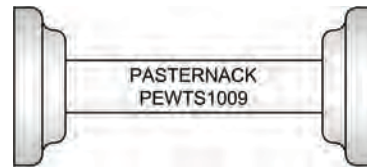
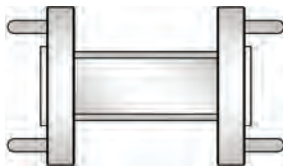
N Female



WG Type	RF Freq. (GHz.)	IL (dB)	Max VSWR	Flange Type	Connector	ECCN	Model No	1 Pc. Price	See Web for Volume Pricing	ROW				
WR-137	5.85 - 8.2		1.25:1	CMR-137	SMA Female	EAR99	PEWCA1048	\$677.30	See Web for Volume Pricing	59				
					N Female	EAR99	PEWCA1049	\$677.30		60				
					CPR-137G	SMA Female	EAR99	PEWCA1015		\$555.73	61			
						N Female	EAR99	PEWCA1017		\$559.22	62			
						SMA Female	EAR99	PEWCA1050		\$677.30	63			
						N Female	EAR99	PEWCA1051		\$680.77	64			
				Round Cover UG-344/U	SMA Female	EAR99	PEWCA1014	\$555.73		65				
					N Female	EAR99	PEWCA1016	\$671.06		66				
				Round Cover UG-441/U	SMA Female	EAR99	PEWCA1046	\$677.30		67				
					N Female	EAR99	PEWCA1047	\$680.77		68				
				WR-159	4.9 - 7.05		1.3:1	CMR-137		SMA Female	EAR99	PE9830	\$510.68	69
										N Female	EAR99	PE9876	\$211.09	70
CPR-137G	N Female	EAR99	PE9838					\$298.75	71					
	N Female	EAR99	PE9821					\$689.78	72					
CMR-159	SMA Female	EAR99	PE9831					\$647.62	73					
	N Female	EAR99	PE9839					\$727.71	74					
WR-187	3.95 - 5.85		1.25:1	CPR-159G	SMA Female	EAR99	PEWCA1057	\$597.41	75					
					N Female	EAR99	PEWCA1058	\$538.38	76					
				CMR-187	N Female	EAR99	PEWCA1059	\$538.38	77					
					N Female	EAR99	PEWCA1056	\$632.16	78					
				Round Cover UG-407/U	N Female	EAR99	PE9822	\$451.99	79					
					SMA Female	EAR99	PE9832	\$784.77	80					
WR-229	3.3 - 4.9		1.3:1	CPR-187G	N Female	EAR99	PE9840	\$830.83	81					
					N Female	EAR99	PE9823	\$610.70	82					
				CMR-229	SMA Female	EAR99	PE9833	\$648.80	83					
					N Female	EAR99	PE9877	\$866.43	84					
				CPR-229G	SMA Female	EAR99	PE9834	\$1,301.09	85					
					N Female	EAR99	PE9824	\$800.47	86					
WR-284	2.6 - 3.95		1.25:1	CMR-284	N Female	EAR99	PE9842	\$459.15	87					
					N Female	EAR99	PE9842	\$459.15	87					
WR-340	2.2 - 3.3	0.12	1.25:1	CPR-340F	N Female	EAR99	PE9882	\$1,016.56	88					
					N Female	EAR99	PE9882	\$1,016.56	88					
WR-430	1.7 - 2.6		1.3:1	CPR-430F	SMA Female	EAR99	PE9835	\$1,346.22	89					
					N Female	EAR99	PE9872	\$1,250.72	90					
				CPR-430G	N Female	EAR99	PE9843	\$1,455.50	91					

See Our Website For Current Pricing & Real-Time Stock Availability!

WAVEGUIDE TRANSITIONS



WG 1 Type	Flange 1 Type	WG 2 Type	Flange 2 Type	VSWR	ECCN	Model No	1	2-4	5-9	10+	ROW
WR-10	Round Cover UG-387/U-Mod	WR-12	Round Cover UG-387/U	1.6:1	EAR99	PE-W10TS12001A	\$1,205.04	\$1,156.84	\$1,108.64	\$1,060.44	92
		WR-15	Round Cover UG-385/U	1.45:1	EAR99	PE-W10TS15001	\$1,205.04	\$1,156.84	\$1,108.64	\$1,060.44	93
		WR-19	Round Cover UG-383/U-Mod	1.4:1	EAR99	PE-W10TS19001	\$1,311.36	\$1,258.91	\$1,206.45	\$1,154.00	94
WR-12	Round Cover UG-387/U	WR-15	Round Cover UG-385/U	1.2:1	EAR99	PE-W12TS15001	\$1,253.24	\$1,203.11	\$1,152.98	\$1,102.85	95
WR-15	Round Cover UG-385/U	WR-19	Round Cover UG-383/U-Mod	1.1:1	EAR99	PE-W15TS19001	\$1,253.24	\$1,203.11	\$1,152.98	\$1,102.85	96
		WR-22	Round Cover UG-383/U	1.15:1	EAR99	PE-W15TS22001	\$1,311.36	\$1,258.91	\$1,206.45	\$1,154.00	97
WR-19	Round Cover UG-383/U-Mod	WR-22	Round Cover UG-383/U	1.5:1	EAR99	PE-W19TS22001	\$1,205.04	\$1,156.84	\$1,108.64	\$1,060.44	98
		WR-28	Square Cover UG-599/U	1.35:1	EAR99	PE-W19TS28001	\$1,253.24	\$1,203.11	\$1,152.98	\$1,102.85	99
WR-22	Round Cover UG-383/U	WR-28	Square Cover UG-599/U	1.35:1	EAR99	PE-W22TS28001	\$1,253.24	\$1,203.11	\$1,152.98	\$1,102.85	1
		WR-42	Square Cover UG-595/U	1.35:1	EAR99	PE-W22TS42001	\$1,205.04	\$1,156.84	\$1,108.64	\$1,060.44	2
WR-28	Square Cover UG-599/U	WR-42	Square Cover UG-595/U	1.2:1	EAR99	PE-W28TS42001	\$1,205.04	\$1,156.84	\$1,108.64	\$1,060.44	3
		WR-51	UBR-180/U-Mod	1.38:1	EAR99	PE-W28TS51001	\$1,311.36	\$1,258.91	\$1,206.45	\$1,154.00	4

Waveguides



Free Shipping Available via UPS Ground to USA & Canada



Technical Support (866) 727-8376



Same-Day Shipping, Even Custom Cable Assemblies

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PASTERNAK ENTERPRISES -- REACH PRODUCT COMPLIANCE PROGRAM

What is REACH Compliance?

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 is commonly referred to as REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals). The REACH regulation became effective on June 1, 2007 to streamline and improve the former legislative framework for chemicals available in the European Union (EU) and European Economic Area (EEA) countries.

The objective of REACH is to improve protection of human health and the protection of the environment from the exposure to chemicals. REACH compliance is mandatory for products manufactured in, or imported into the European Union (EU).

As outlined by the REACH regulation, any organization manufacturing, importing, using or placing a substance, mixture, article or product on the EU market will be responsible for ensuring that the component substances are in compliance with REACH regulations.

Determining REACH Compliance of Pasternack Products:

Pasternack Enterprises does not currently either manufacture or import any chemical substances into the EU on their own or in articles (products) in quantities of 1 ton or more per year. In addition, products imported by Pasternack Enterprises' customers do not contain chemical substances intended to be released during the normal and reasonably foreseeable conditions of the product's use as defined by the REACH regulation and existing guidance.

However, under REACH, there is an obligation to ensure that articles do not contain <0.1% by weight of Substances of Very High Concern (SVHCs). SVHCs are substances that may cause cancer or other serious health or environmental effects and thus face restriction or outright bans, and are listed in a regularly-updated 'Candidate list'. The current Candidate list can be downloaded from the European Chemicals Agency (ECHA) website:

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

For each part that has been found to comply with the REACH SVHC reporting requirements, we show an indication of compliance adjacent to the part number using this symbol:



All products displaying this symbol on our website are assured to contain no SVHCs as defined by the Candidate List displayed on the Pasternack REACH certificate. When you locate the product you need on our website, please click on the "Product ID or Part Number". You will see the "REACH symbol" for the specific part. Click on this symbol to view the Certificate of REACH Compliance (printable if needed) for the specific product as well as the applicable ECHA SVHC Candidate list Date.

Pasternack Enterprises - REACH Product Compliance Program:

At Pasternack Enterprises, we recognize our responsibility as a worldwide supplier of RF, Microwave and Fiber Optic Products subject to the REACH regulations. We have completed a comprehensive effort internally and with our supply chain to determine the REACH compliance of our products. You will find our Reach Symbol adjacent to all products on our website that have been determined by Pasternack and our supply chain to contain less than 0.1% by weight of the REACH substances. You will also see the applicable ECHA SVHC Candidate List Date. "Please refer to our website at www.Pasternack.com.

The Pasternack Enterprises REACH Product Compliance Program is implemented in accordance with Regulation No. 1907/2006 of the European Parliament and the Council of 18 December 2006. Pasternack has implemented a REACH compliance program to address this legislation. Pasternack Enterprises does not currently either manufacture or import any chemical substances into the EU on their own or in articles (products) in quantities of 1 ton or more per year. In addition, products imported by Pasternack Enterprises' customers do not contain chemical substances intended to be released during the normal and reasonably foreseeable conditions of the product's use as defined by the REACH regulation and existing guidance. Thus, Pasternack Enterprises does not currently have a direct REACH obligation to pre-register substances. Pasternack's REACH Product Compliance is determined by a certification from our supply chain. A Pasternack product is deemed to be REACH compliant when it does not contain Substances of Very High Concern (SVHCs) beyond the specified concentration limits of less than 0.1% by weight as outlined in REACH 1907/2006/EU regulation.

Need More Information?

If you have questions regarding REACH Product Certification on Pasternack's products, please contact the Pasternack REACH Compliance Team via email at REACH@Pasternack.com or by calling Toll-Free within North America at 1-866-PASTERNAK (1-866-727-8376). International customers, please call +1-949-261-1920.



Free Shipping Available
via UPS Ground
to USA & Canada



Technical
Support
(866) 727-8376



Same-Day Shipping,
Even Custom
Cable Assemblies

PASTERNAK ENTERPRISES ROHS COMPLIANCE PROGRAM

Lead-free solder is now available for all cable assemblies upon request or online at www.Pasternack.com.

Our Commitment

At Pasternack, we recognize our responsibility as an international supplier of RF, Microwave and Millimeter wave electronics products to maintain a comprehensive RoHS compliance program. We are fully committed to offering RoHS compliance on the majority of our products and posting accurate RoHS compliance status for all of our products. We have posted this data on our website so that it can be easily found for each part number within our on-line catalogue.

What is RoHS Compliance?

The European Union set forth the RoHS (Restriction of Hazardous Substances) Directive to establish environmental guidelines and legislation to reduce the presence of six (6) materials deemed hazardous to the environment. To comply, products entering the EU must not have a homogeneous presence of these materials above the following levels by weight percentage

- Lead (Pb) < 0.1%
- Mercury (Hg) < 0.1%
- Cadmium (Cd) < 0.01%
- Hexavalent Chromium (CrVI) < 0.1%
- Polybrominated Biphenyls (PBB) < 0.1%
- Polybrominated Diphenyl Esters (PBDE) < 0.1%

Determining Pasternack RoHS Compliance

All products displaying this symbol on our website have been certified as RoHS Compliant. Click on the symbol to view the Certificate of RoHS Compliance for that product.



Lead Free Cable Assemblies

Many of Pasternack's cable assemblies are built with leaded solder. If so, the part will not be RoHS compliant and a certificate will not be found on the product page for that assembly. However, many of these assemblies can be brought into RoHS compliance through the use of Lead-Free solder. If the assembly you desire is not RoHS compliant, there may be a RoHS compliant version with a similar part number. If so, you will see an "LF" contained in the basic part number (example PE3067LF-24 is the lead free version of PE3067-24). Please note: the "LF" designation is used only when the base part number is not RoHS compliant. Many assemblies do not include "LF" and are compliant because they are only offered in a RoHS compliant configuration.

For More Information

Please direct any questions to Pasternack Enterprises Technical Support via email at TechSupport@Pasternack.com or by calling Toll-Free within North America at 1-866-PASTERNAK (866-727-8376). International customers, please use +1-949-261-1920.

MAILING LIST CHANGES

If you receive more than one RF Product Guide with the same name and address, please notify Pasternack and pass the RF Product Guide along to a friend. Also, if you do not require multiple copies to the same company address, contact a sales representative to verify and modify your mailing information. A forms-based communications method to add, delete or modify mailing information is available at www.pasternack.com. By clicking "Contact Us", and then clicking "Remove Name from Mailing List", you may complete the form to request a change to your mailing preferences. In addition, by clicking "RF Product Guide", and then clicking "Request a Printed RF Product Guide", you may add your contact information to our mailing list. Please note service opt-in and opt-out options located on the forms. Alternatively, you may mail, email, telephone or fax Pasternack your request.

PLACING YOUR ORDER

- **By Telephone: 866-PASTERNAK (866-727-8376)**
US & Canada, or 949-261-1920

Our friendly sales representatives are ready to serve you from 5:00am to 5:30pm Pacific Standard Time (PST), Monday through Friday. For the most efficient service, please have ready a list of quantities and part numbers and, if paying by credit card, your MasterCard, VISA, American Express or Discover card. Note: Calls may be recorded or monitored for quality and training purposes.

- **By Fax: 949-261-7451**

Our fax lines can be accessed 7 days a week, 24 hours a day. Orders received after 4:00pm PST will be promptly processed and shipped the next business day. Please include your daytime phone number and/or email address in case we have any questions about your order.

- **By Internet: www.Pasternack.com**
or Email: sales@pasternack.com

Order online 7 days a week, 24 hours a day using our online ordering system. Just search for the items you want and add them to your shopping cart. Internet orders entered after 4:00 pm PST will be promptly processed and shipped the next business day.

- **By Mail: Simply Mail Your Order To:**
Pasternack Enterprises, Inc.
17802 Fitch
PO Box 16759
Irvine, CA 92623-6759 USA

International customers, please see "International Orders" below for additional information.

Terms and Conditions of Sale:

The following from Pasternack's Binding Terms and Conditions of Sale are provided for your convenience. A complete documentation of the Binding Terms and Conditions of Sale may be found in the back of the RF Product Guide, or on Pasternack's website at <http://www.pasternack.com/t-terms-of-sale.aspx>. Any questions or clarifications may be answered by contacting Customer Service at (+1) 949-261-1920 or by any of the methods listed above.

No Minimum Order Requirement

Ground Freight is Free:

On UPS Ground orders, there is no charge for shipping for USA & Canada orders of \$100.00 or greater. Otherwise, shipping or freight charges and insurance will be paid by the customer. All sales are made FOB Point (as defined by the INCOTERMS 2000) in Irvine, CA USA. Shipping or freight charges from Pasternack's Irvine, CA factory are prepaid and added to the invoice or billed collect.

Same-Day Shipment:

Same-day shipment will apply to orders received Monday through Friday, prior to 4:00pm PST.

- All UPS air and surface options
- All FedEx air options (with an approved account number)
- Most other shipping options, including DHL (with an approved account number) and USPS

Counter-to-Counter Shipping:

For your urgent order requiring our fastest shipping method, we will place your order on the next available flight from Santa Ana-Orange County John Wayne International Airport (Airport code: SNA) to the destination you specify. Please call for details.

Payment Terms:

Pasternack offers a number of convenient payment methods:

For United States customers, we offer check, money order, MasterCard, VISA, American Express, Discover, and C.O.D. as well as open account credit to qualified institutions and businesses. Payment must be made in US Dollars.

For Canadian customers, we offer all of the above payment options except C.O.D.
For International customers, see International Orders.

Open Account Credit:

Net 30 Days terms are available to businesses, schools and agencies subject to credit approval. Approval can begin by submitting a completed Credit Application, which can be found online at:

www.Pasternack.com/t-CreditApplication.aspx

EFT/Wire Transfers:

Please contact us for details. We will inform you of the total amount which will include shipping charges and any applicable wire transfer fees. Orders will not be accepted until funds have been received in full.

WELLS FARGO BANK
420 Montgomery St.
San Francisco, CA 94104 USA
Account Number: 4270 0000 0000 0000 1
Routing Number: 121000248
SWIFT Number: WFBUS6S

International Orders:

In addition to the United States and its territories, Pasternack accepts international orders. All orders of international origin are exported from the US in accordance with the Export Administration Regulations. Diversion contrary to US Law is prohibited. Please see Pasternack's Binding Terms and Conditions of Sale for full details.

Pasternack has international distributors for the following countries:

Africa: Namibia, South Africa

Asia-Pacific: Australia, China PRC, India, Indonesia, Japan, Malaysia, New Zealand, Singapore, South Korea, Thailand

Europe: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Kazakhstan, Luxembourg, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey, United Kingdom

Middle East: Israel

South America: Brazil

To access their complete contact information, please see our International Distributors section in this RF Product Guide. (inside back cover)

International Shipping Charges:

Shipping or freight charges and insurance will be paid by the customer. All sales are made FOB Point (as defined by the INCOTERMS 2000) in Irvine, CA USA. We ship orders by UPS, FedEx (with an approved account number), or DHL (with approved account number) with delivery in 2 to 3 days to most locations worldwide.

International Taxes and Duties:

Customer is responsible for duties and taxes.



Free Shipping Available
via UPS Ground
to USA & Canada



Technical
Support
(866) 727-8376



Same-Day Shipping,
Even Custom
Cable Assemblies

BINDING TERMS AND CONDITIONS OF SALE

The following are the terms and conditions ("Terms and Conditions") for the sale of products ("Products") by Pasternack Enterprises, Inc. ("Pasternack") to Pasternack's customers ("Customers"). Please read this agreement carefully. Any different or additional terms set forth in customer's purchase order or similar communication are objected to and shall not be binding on the company unless a separate agreement has been signed by an authorized officer of the company. By placing an order for products from the company, or by accepting delivery of the products described on the applicable packing slip, bill of lading and/or invoice received with the products, you agree to be bound by and accept these terms and conditions of sale.

1. ACCEPTANCE AND CANCELLATION OF ORDERS

All orders are subject to acceptance by Pasternack in writing by a duly authorized agent of Pasternack; any written acknowledgement of receipt of an order shall not, in and of itself, constitute such acceptance. Orders accepted and processed by Pasternack may not be cancelled by Customer except as covered by the Limited Warranty. All sales are final. Cable Assemblies and Non-Standard Products are also Non-Cancelable/Non-Refundable ("NC/NR"). Non-Standard Parts are defined as Products which are special orders, custom orders, orders for non-standard products, products not customarily in stock or orders for value-added products. In the event of cancellation or other withdrawal of an order for any reason and without limiting any other remedy which Pasternack may have as a result of such cancellation or other withdrawal, reasonable cancellation or restocking charges, which shall include all expenses then incurred and commitments made by Pasternack, shall be paid by Customer to Pasternack. Customer requests to reschedule are subject to acceptance by Pasternack in its sole discretion. Orders may not be rescheduled after the order has been submitted by Pasternack to the shipment carrier.

2. PRICES

Orders are billed at the prices (in US dollars) in effect at the time of shipment. Prices will be as specified by Pasternack and will be applicable for the period specified in Pasternack's quote. If no period is specified, quoted prices will be applicable for thirty (30) days. The website contains the most current pricing and is the price reference for orders. Pricing included in the catalog is for reference only and final pricing is determined by the published website price. Prices shown in the RF Product Guide (Catalog) and on the website are subject to change without notice. Prices are exclusive of taxes, impositions and other charges, including: sales, use, excise, value added and similar taxes or charges imposed by any government authority, international shipping charges, forwarding agent's and broker's fees, bank fees, consular fees, document fees and import duties.

3. TERMS OF PAYMENT

All payments must be in US Dollars, or will be converted to US Dollars using the available exchange rate at the time of purchase.

MasterCard, VISA, Discover, and American Express credit cards, purchase cards and major bank debit cards are accepted. Payment via net thirty (30) days is available to businesses, schools and agencies or as otherwise specified by Pasternack subject to credit approval.

For International Orders

MasterCard, VISA, and American Express credit cards are accepted. Payment via open credit account with Net thirty (30) days may be established for companies having three U.S. references accepted to Pasternack. Prepaid Wire Transfer: You can wire the funds to our bank. We will contact you with the total amount, which will include shipping charges and a \$40 wire transfer fee. Orders will not be accepted until funds have been received in full and the Purchase Order (PO) has been received. Customer is responsible for sales, use, excise, value added and similar taxes or charges imposed by any government authority, international shipping charges, forwarding agent's and broker's fees, bank fees, consular fees, document fees and import duties.

4. SALES TAX

California residents are required to remit sales tax. Pasternack does not remit sales tax to states other than California. Any sales tax due that is not collected by Pasternack is the responsibility of the customer.

5. TOLERANCES

All coaxial cable assemblies displayed in the Pasternack catalog and website have a standard cable length tolerance of $\pm 1.5\%$ or 3/8 inches (0.375"), whichever is greater. Cable Assemblies in excess of this tolerance factor are eligible for repair and/or replacement under the terms of the Pasternack Limited Warranty.

6. DELIVERY AND TITLE

Shipping or freight charges and insurance will be paid by the customer. All sales are made FCA Shipping Point (as defined by the INCOTERMS 2000) in Irvine, CA USA. Shipping or freight charges from Pasternack's Irvine, CA facility are prepaid and added to the invoice, or billed collect. Subject to Pasternack's right of stoppage in transit, delivery of the Products to the carrier will constitute delivery to Customer and title and risk of loss will pass to Customer. Pasternack will make reasonable efforts to initiate shipment and schedule delivery as close as possible to Customer's requested delivery date(s). Customer acknowledges that delivery dates provided by Pasternack are estimates only and that Pasternack will not be liable for failure to deliver on such dates. Selection of the carrier and delivery route will be made by Pasternack unless specifically designated by Customer. Pasternack reserves the right to make deliveries in installments. Delay in delivery of one installment will not entitle Customer to cancel any other installment(s). Delivery of any installment of Products within thirty (30) days after the date requested will constitute a

timely delivery. Delivery of a quantity that varies from the quantity specified shall not relieve Customer of the obligation to accept delivery and pay for the Products delivered.

7. PASTERNAK'S LIMITED WARRANTY

All products are covered by a LIMITED WARRANTY for a period of one (1) year from the date of shipment when purchased from Pasternack Enterprises, Inc. Customer must notify Pasternack within one (1) year from date of shipment of any defective product. An approved Return Material Authorization (RMA) number must first be obtained from Pasternack prior to the return of any merchandise to Pasternack for inspection under warranty. Shipping charges for all materials returned under this Limited Warranty are to be prepaid by the Customer. This warranty is limited to the original purchaser. Pasternack's liability arising out of any sale of products to Customer is expressly limited to either (1) Credit for the purchase price paid by Customer for such products (without interest), or (2) Repair and/or replacement of such products, found to be defective after inspection by Pasternack, and such remedies shall be exclusive and in lieu of all others. THIS WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESSED, IMPLIED OR STATUTORY. ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT ARE HEREBY DISCLAIMED. Further, no warranty will apply if the Product has been subject to misuse, neglect, accident or modification, or has been soldered or altered in any way.

All returns must be shipped to: Pasternack Enterprises, Inc.
17802 Fitch
Irvine, CA 92614 USA

8. LIMITATION OF LIABILITIES

In no event shall Pasternack be liable for any special, incidental or consequential damages of any nature including, but not limited to, damages resulting from loss of profit or revenue, recall costs, claims for service interruptions or failure to supply downtime, testing, installations or removal costs, costs of substitute products, property damage, personal injury, death or legal expenses. Customer's recovery from Pasternack for any claim shall not exceed the purchase price paid by Customer for the goods, irrespective of the nature of the claim, whether in warrant, contract or otherwise. CUSTOMER SHALL INDEMNIFY, DEFEND AND HOLD PASTERNAK HARMLESS FROM ANY CLAIMS brought by any party regarding products supplied by Pasternack and incorporated into the customer's product.

9. STATEMENTS AND ADVICE

If statements or advice, technical or otherwise, are offered or given to Customer, such statements or advice will be deemed to be given as an accommodation to Customer and without charge and Pasternack shall have no responsibility or liability for the content or use of such statements or advice.

10. EXPORT CONTROL AND EMBARGOES

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PE91100	Web		PE91244	Web		PE91449	Web		PEWCP1018	225	42	PEWCT1055	227		PEWGS6028	229	42
PE91102	Web		PE91245	Web		PEM001	Web		PEWCP1019	225	45	PEWCT1056	227		PEWIR1001	Web	
PE91103	Web		PE91246	Web		PEM001-MIM	5	2	PEWCP1020	225	42	PEWCT1057	227		PEWIR1002	Web	
PE91104	21	B1	PE91247	Web		PEM002	Web		PEWCP1021	225	44	PEWCT1058	227		PEWIR1003	Web	
PE91105	40	D6	PE91248	Web		PEM002-MIM	5	3	PEWCP1022	225	46	PEWCT1059	227		PEWIR1004	Web	
PE91106	40	B6	PE91249	19	C3	PEM003-KIT	Web		PEWCP1023	225	47	PEWCT1060	227		PEWIR1005	Web	
PE91107	40	C6	PE91250	Web		PEM004	6	10	PEWCP1024	225	49	PEWCT1061	227		PEWIR1006	Web	
PE91108	14	A1	PE91251	Web		PEM005	6	11	PEWCP1025	225	51	PEWCT1062	227		PEWIR1007	Web	
PE91109	14	A2	PE91252	Web		PEM009-KIT	5	1	PEWCP1026	225	48	PEWCT1063	227		PEWIR1008	Web	
PE91110	15	B2	PE91253	Web		PEM009-KIT	5	1	PEWCP1027	225	50	PEWCT1064	227		PEWIR1009	Web	
PE91111	15	B4	PE91254	Web		TRANSKIT	5	4	PEWCP1028	225	52	PEWCT1065	227		PEWIR1010	Web	
PE91112	15	A4	PE91255	Web		PEM009-KIT-TX	Web		PEWCP1029	225	53	PEWCT1066	227		PEWMT1000	231	23
PE91113	16	C2	PE91256	Web		PEM10	6	13	PEWCP1030	225	55	PEWCT1067	227		PEWMT1001	231	24
PE91114	23	C4	PE91257	Web		PEM1000-KIT	6	12	PEWCP1031	226	57	PEWCT1068	227		PEWMT1002	231	25
PE91115	14	D3	PE91258	29	D3	PEM1002-KIT	6	12	PEWCP1032	226	54	PEWCT1069	227		PEWMT1003	231	26
PE91116	Web		PE91259	29	B6	PETP1000	201	19	PEWCP1033	226	56	PEWCT1070	227		PEWMT1004	231	27
PE91117	19	A1	PE91260	30	B1	PETP1001	201	20	PEWCP1034	226	58	PEWCT1071	227		PEWMT1005	231	28
PE91118	14	B1	PE91261	30	D1	PETP1002	201	23	PEWCP1035	226	59	PEWCT1072	227		PEWMT1006	231	29
PE91119	14	D1	PE91262	30	B2	PETP1003	201	24	PEWCP1036	226	60	PEWCT1073	227		PEWSP1000	233	5
PE91120	15	D2	PE91263	30	C1	PETP1004	201	26	PEWCP1037	226	61	PEWCT1074	227		PEWSP1001	233	6
PE91121	Web		PE91264	29	D6	PETP1005	201	30	PEWCP1038	226	62	PEWCT1075	227		PEWSP1002	233	7
PE91122	15	C4	PE91265	Web		PETP1006	201	31	PEWCP1039	226	63	PEWCT1076	227		PEWSP1003	234	8
PE91123	15	D4	PE91266	Web		PETP1007	201	34	PEWCP1040	226	64	PEWCT1077	227		PEWSP1004	234	9
PE91124	Web		PE91267	Web		PETP1008	201	31	PEWCP1041	226	65	PEWCT1078	227		PEWSP1005	234	10
PE91125	Web		PE91268	Web		PETP1009	201	35	PEWCP1042	226	66	PEWCT1079	227		PEWSP1006	234	11
PE91126	16	D4	PE91269	Web		PETP1010	202	38	PEWCP1043	226	67	PEWCT1080	227		PEWSP1007	234	12
PE91127	17	A1	PE91270	Web		PETP1011	202	39	PEWCP1044	226	68	PEWCT1081	227		PEWSP1008	234	13
PE91128	Web		PE91290	29	D5	PETP1012	202	49	PEWCP1045	226	69	PEWCT1082	227		PEWSP1009	234	14
PE91129	33	A2	PE91291	18	A2	PETP1013	202	50	PEWCP1046	226	70	PEWCT1083	227		PEWSP1010	234	15
PE91134	26	A1	PE91292	19	C1	PETP1014	202	54	PEWCP1047	226	71	PEWCT1084	227		PEWSP1011	234	16
PE91135	26	A1	PE91293	17	C5	PETP1015	202	55	PEWCP1048	226	72	PEWCT1085	227		PEWSP1012	234	17
PE91136	15	C2	PE91294	Web		PETP1016	202	58	PEWCP1049	226	73	PEWCT1086	227		PEWTR1000	234	25
PE91137	14	A6	PE91295	16	B6	PETP1017	202	59	PEWCP1050	226	74	PEWCT1087	227		PEWTR1001	234	31
PE91138	14	C6	PE91296	Web		PEWAD5000	223	67	PEWCP1051	226	75	PEWCT1088	227		PEWTR1002	234	36
PE91139	15	A1	PE91297	Web		PEWAD5001	223	68	PEWCP1052	226	76	PEWCT1089	227		PEWTR1003	234	42
PE91140	Web		PE91298	16	D3	PEWAD5002	223	69	PEWCP1053	226	77	PEWCT1090	227		PEWTR1004	234	46
PE91141	24	C1	PE91299	18	C1	PEWAD5003	223	70	PEWCP1054	226	78	PEWCT1091	227		PEWTR1005	235	52
PE91144	Web		PE91300	33	D1	PEWAD5004	223	72	PEWCP1055	226	79	PEWCT1092	227		PEWTR1006	235	57
PE91145	15	A6	PE91301	33	B2	PEWAD5005	223	74	PEWCP1056	226	81	PEWCT1093	227		PEWTR1007	235	58
PE91146	15	B6	PE91302	30	D6	PEWAD5006	223	77	PEWCP1057	226	83	PEWCT1094	227		PEWTR1008	235	66
PE91147	18	D3	PE91303	Web		PEWAD5007	223	77	PEWCP1058	226	85	PEWCT1095	227		PEWTR1009	235	67
PE91148	Web		PE91304	Web		PEWAD5008	223	73	PEWCP1059	226	80	PEWCT1096	227		PEWTR1010	235	70
PE91149	28	B5	PE91305	34	C1	PEWAD5009	223	75	PEWCP1060	226	82	PEWCT1097	227		PEWTR1011	235	71
PE91150	29	A3	PE91306	34	D1	PEWAD5010	223	76	PEWCP1061	226	84	PEWCT1098	227		PEWTR1012	235	72
PE91151	28	A2	PE91307	44	A4	PEWAD5011	223	78	PEWCP1062	226	86	PEWCT1099	227		PEWTR1013	235	73
PE91152	28	C5	PE91308	34	C4	PEWAD5012	223	79	PEWCP1063	226	87	PEWCT1100	227		PEWTR1014	235	74
PE91153	Web		PE91309	31	D4	PEWAD5013	223	80	PEWCP1064	226	89	PEWCT1101	227		PEWTR1015	235	75
PE91154	28	C1	PE91310	31	A5	PEWAD5014	223	81	PEWCP1065	226	91	PEWCT1102	227		PEWTR1016	235	76
PE91155	28	B4	PE91311	31	B5	PEWAD5015	223	82	PEWCP1066	226	93	PEWCT1103	227		PEWTR1017	235	77
PE91156	29	C2	PE91312	Web		PEWAD5016	223	84	PEWCP1067	226	88	PEWCT1104	227		PEWTR1018	235	78
PE91157	Web		PE91321	29	A1	PEWAD5017	223	84	PEWCP1068	226	90	PEWCT1105	227		PEWTR1019	235	79
PE91158	14	A5	PE91324	38	D1	PEWAD5018	224	85	PEWCP1069	226	92	PEWCT1106	227		PEWTR1020	235	80
PE91159	Web		PE91325	28	D2	PEWAD5019	224	86	PEWCP1070	226	94	PEWCT1107	227		PEWTR1021	235	81
PE91160	14	B4	PE91327	28	D1	PEWAN1001	220	42	PEWCP1071	226	95	PEWCT1108	227		PEWTR1022	235	82
PE91161	Web		PE91328	38	D2	PEWAT1000-30	Web		PEWCP1072	226	97	PEWCT1109	227		PEWTR1023	235	83
PE91162	Web		PE91329	Web		PEWAT1001-30	Web		PEWCP1073	227	99	PEWCT11					

50-OHM CONVERSION TABLE

(dBm - volts- watts)

dBm	V	Po
+53	100.0	200W
+50	70.7	100W
+49	64.0	80W
+48	58.0	64W
+47	50.0	50W
+46	44.5	40W
+45	40.0	32W
+44	32.5	25W
+43	32.0	20W
+42	28.0	16W
+41	26.2	12.5W
+40	22.5	10W
+39	20.0	8W
+38	18.0	6.4W
+37	16.0	5W
+36	14.1	4W
+35	12.5	3.2W
+34	11.5	2.5W
+33	10.0	2W
+32	9.0	1.6W
+31	8.0	1.25W
+30	7.10	1.0W
+29	6.40	800 mW
+28	5.80	640 mW
+27	5.00	500 mW
+26	4.45	400 mW
+25	4.00	320 mW
+24	3.55	250 mW
+23	3.20	200 mW
+22	2.80	160 mW
+21	2.52	125 mW
+20	2.25	100 mW
+19	2.00	80 mW
+18	1.80	64 mW
+17	1.60	50 mW
+16	1.41	40 mW
+15	1.25	32 mW
+14	1.15	25 mW
+13	1.00	20 mW
+12	0.90	16 mW
+11	0.80	12.5 mW
+10	0.71	10 mW
+9	0.64	8 mW
+8	0.58	6.4 mW
+7	0.50	5 mW
+6	0.45	4 mW
+5	0.40	3.2 mW
+4	0.36	2.5 mW
+3	0.32	2.0 mW

dBm	V	Po
+2	0.28	1.6 mW
+1	0.25	1.25 mW
0	0.23	1.0 mW
-1	0.20	.80 mW
-2	0.18	.64 mW
-3	0.16	.50 mW
-4	0.14	.40 mW
-5	0.13	.32 mW
-6	0.12	.25 mW
-7	0.10	.20 mW
-8	0.09	.16 mW
-9	0.08	.125 mW
-10	0.07	.10 mW
-11	0.06	
-12	0.06	
-13	0.05	
-14	0.05	
-15	0.04	
-16	0.0355	
dBm	mV	Po
-17	31.5	
-18	28.5	
-19	25.1	
-20	22.5	.01 mW
-21	20.0	
-22	17.9	
-23	15.9	
-24	14.1	
-25	12.8	
-26	11.5	
-27	10.0	
-28	8.9	
-29	8.0	
-30	7.1	.001 mW
-31	6.25	
-32	5.8	
-33	5.0	
-34	4.5	
-35	4.0	
-36	3.5	
-37	3.2	
-38	2.85	
-39	2.5	
-40	2.25	.1 μ W
-41	2.0	
-42	1.8	
-43	1.6	
-44	1.4	
-45	1.25	

dBm	mV	Po
-46	1.18	
-47	1.0	
-48	0.9	
-49	0.8	
-50	0.71	.01 μ W
-51	0.64	
-52	0.57	
-53	0.5	
-54	0.45	
-55	0.4	
-56	0.351	
-57	0.32	
-58	0.286	
-59	0.251	
-60	0.225	.001 μ W
-61	0.2	
-62	0.18	
-63	0.16	
-64	0.141	
dBm	μ V	Po
-65	128	
-66	115	
-67	100	
-68	90	
-69	80	
-70	71	.1 nW
-71	65	
-72	58	
-73	50	
-74	45	
-75	40	
-76	35	
-77	32	
-78	29	
-79	25	
-80	22.5	.01 nW
-81	20	
-82	18	
-83	16	
-84	11.1	
-85	12.9	
-86	11.5	
-87	10.0	
-88	9.0	
-89	8.0	
-90	7.1	.001 nW
-91	6.1	
-92	5.75	
-93	5.0	

dBm	μ V	Po
-94	4.5	
-95	4.0	
-96	3.51	
-97	3.2	
-98	2.9	
-99	2.51	
-100	2.25	.1 pW
-101	2.0	
-102	1.8	
-103	1.6	
-104	1.41	
-105	1.27	
-106	1.18	
dBm	nV	Po
-107	1000	
-108	900	
-109	800	
-110	710	.01 pW
-109	640	
-112	580	
-113	500	
-114	450	
-115	400	
-116	355	
-117	825	
-118	285	
-119	251	
-120	225	.001 pW
-121	200	
-122	180	
-123	160	
-124	141	
-125	128	
-126	117	
-127	100	
-128	90	
-129	80	
-130	71	.1 fW
-131	61	
-132	58	
-133	50	
-134	45	
-135	40	
-136	35	
-137	33	
-138	29	
-139	25	
-140	23	.01 fW



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Technical
Support
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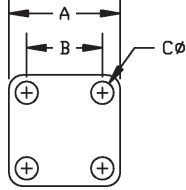


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Cable Assemblies

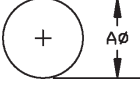
RETURN LOSS CONVERSION TABLE

Return Loss (dBm)	VSWR	Return Loss (dBm)	VSWR	Return Loss (dBm)	VSWR	Return Loss (dBm)	VSWR	Return Loss (dBm)	VSWR
46.064	1.01	13.842	1.51	9.485	2.01	7.327	2.51	5.999	3.01
40.086	1.02	13.708	1.52	9.428	2.02	7.294	2.52	5.970	3.02
36.607	1.03	13.577	1.53	9.372	2.03	7.262	2.53	5.956	3.03
34.151	1.04	13.449	1.54	9.317	2.04	7.230	2.54	5.935	3.04
32.256	1.05	13.324	1.55	9.262	2.05	7.198	2.55	5.914	3.05
30.714	1.06	13.201	1.56	9.208	2.06	7.167	2.56	5.893	3.06
29.417	1.07	13.081	1.57	9.155	2.07	7.135	2.57	5.872	3.07
28.299	1.08	12.964	1.58	9.103	2.08	7.105	2.58	5.852	3.08
27.318	1.09	12.849	1.59	9.051	2.09	7.074	2.59	5.832	3.09
26.444	1.10	12.736	1.60	8.999	2.10	7.044	2.60	5.811	3.10
25.658	1.11	12.625	1.61	8.949	2.11	7.014	2.61	5.791	3.11
24.943	1.12	12.518	1.62	8.899	2.12	6.984	2.62	5.771	3.12
24.289	1.13	12.412	1.63	8.849	2.13	6.954	2.63	5.751	3.13
23.686	1.14	12.308	1.64	8.800	2.14	6.925	2.64	5.732	3.14
23.127	1.15	12.207	1.65	8.752	2.15	6.896	2.65	5.712	3.15
22.607	1.16	12.107	1.66	8.705	2.16	6.867	2.66	5.693	3.16
22.120	1.17	12.009	1.67	8.657	2.17	6.839	2.67	5.674	3.17
21.664	1.18	11.913	1.68	8.611	2.18	6.811	2.68	5.654	3.18
21.234	1.19	11.818	1.69	8.565	2.19	6.783	2.69	5.635	3.19
20.828	1.20	11.725	1.70	8.519	2.20	6.755	2.70	5.617	3.20
20.443	1.21	11.634	1.71	8.474	2.21	6.728	2.71	5.598	3.21
20.079	1.22	11.545	1.72	8.430	2.22	6.700	2.72	5.579	3.22
19.732	1.23	11.457	1.73	8.386	2.23	6.673	2.73	5.561	3.23
19.401	1.24	11.370	1.74	8.342	2.24	6.646	2.74	5.542	3.24
19.085	1.25	11.285	1.75	8.299	2.25	6.620	2.75	5.524	3.25
18.783	1.26	11.202	1.76	8.257	2.26	6.594	2.76	5.506	3.26
18.493	1.27	11.120	1.77	8.215	2.27	6.567	2.77	5.488	3.27
18.216	1.28	11.039	1.78	8.173	2.28	6.541	2.78	5.470	3.28
17.949	1.29	10.960	1.79	8.138	2.29	6.516	2.79	5.452	3.29
17.690	1.30	10.881	1.80	8.091	2.30	6.490	2.80	5.435	3.30
17.445	1.31	10.804	1.81	8.051	2.31	6.465	2.81	5.417	3.31
17.207	1.32	10.729	1.82	8.011	2.32	6.440	2.82	5.400	3.32
16.977	1.33	10.654	1.83	7.972	2.33	6.415	2.83	5.383	3.33
16.755	1.34	10.581	1.84	7.933	2.34	6.390	2.84	5.365	3.34
16.540	1.35	10.509	1.85	7.894	2.35	6.366	2.85	5.348	3.35
16.332	1.36	10.437	1.86	7.856	2.36	6.341	2.86	5.331	3.36
16.131	1.37	10.367	1.87	7.818	2.37	6.317	2.87	5.315	3.37
15.936	1.38	10.298	1.88	7.781	2.38	6.293	2.88	5.298	3.38
15.747	1.39	10.230	1.89	7.744	2.39	6.270	2.89	5.281	3.39
15.563	1.40	10.163	1.90	7.707	2.40	6.246	2.90	5.265	3.40
15.385	1.41	10.097	1.91	7.671	2.41	6.223	2.91	5.248	3.41
15.211	1.42	10.032	1.92	7.635	2.42	6.200	2.92	5.232	3.42
15.043	1.43	9.968	1.93	7.599	2.43	6.177	2.93	5.216	3.43
14.879	1.44	9.904	1.94	7.564	2.44	6.154	2.94	5.200	3.44
14.719	1.45	9.842	1.95	7.529	2.45	6.131	2.95	5.184	3.45
14.564	1.46	9.780	1.96	7.494	2.46	6.109	2.96	5.168	3.46
14.412	1.47	9.720	1.97	7.460	2.47	6.086	2.97	5.152	3.47
14.264	1.48	9.660	1.98	7.426	2.48	6.064	2.98	5.137	3.48
14.120	1.49	9.601	1.99	7.393	2.49	6.042	2.99	5.121	3.49
13.979	1.50	9.542	2.00	7.360	2.50	6.021	3.00	5.105	3.50

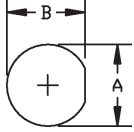
MOUNTING HOLES



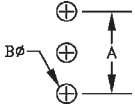
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A06	.750	.531	.140
A07	.750	.531	.125
A08	1.190	.906	.125
A09	.687	.500	#4-40 TAP
A10	.687	.500	.136
A11	1.250	.975	.147
A12	2.000	1.440	.257
A13	1.000	.718	.141
A14	1.000	.718	.144
A15	.687	.500	.104
A16	.750	.531	.136
A17	.375	.232	.067
A18	.625	.437	.094
A19	1.000	.718	#6-32 TAP
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A22	.375	.232	.093



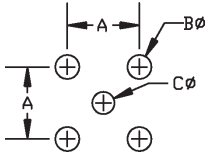
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F03	.630
F04	1.200
F05	.380
F06	.450
F07	.200
F08	.362
F09	.220
F10	.317
F11	4.83mm
F12	.390



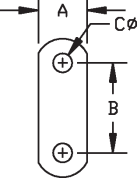
CODE	A	B
B01	.195	.177
B02	.250	.235
B03	.330	.295
B04	.380	.350
B05	.440	.410
B06	.512	.480
B07	.760	.720
B08	.565	.537
B09	.314	.296
B10	.140	.126
B11	.695	.655
B12	.625	.575
B13	.405	.361
B14	.277	.252
B15	.630	.596
B16	.317	.285
B17	.284	.268



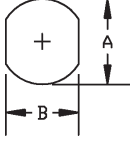
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J01	.200	.046



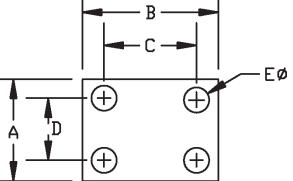
CODE	A	B	C
D01	.200	.067	.062
D02	.200	.067	.046
D03	.100	.031	.031
D04	.200	.052	.052
D05	.260	.067	.043
D06	.200	.052	.047
D07	.200	.055	.043
D08	.200	.067	.035
D09	.200	.055	.028
D10	.200	.055	.035
D11	.320	.091	.031
D12	.400	.062	.062
D13	.320	.091	.091
D14	.340	.091	.043
D15	.164	.067	.091
D16	.500	.126	.440
D17	.380	.083	.043



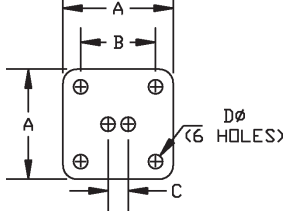
CODE	A	B	C
C01	.223	.481	.102
C02	.260	.481	.102
C03	.192	.328	.067
C04	.640	1.000	.125
C05	.275	.481	.102
C06	.230	.354	.067
C07	.188	.328	.093



CODE	A	B
G01	.640	.546
G02	.380	.340
G03	.765	.712
G04	.362	.323
G05	.236	.197
G06	.217	.177
G07	.380	.310
G08	1.161	1.000



CODE	A	B	C	D	E
E01	.375	.500	.340	.222	.093



CODE	A	B	C	D
H01	.687	.500	.125	.045



Free Shipping Available
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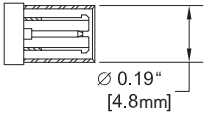
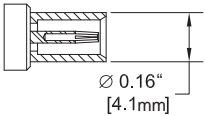
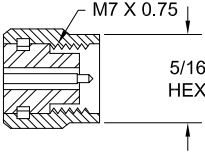
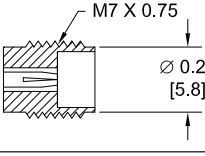
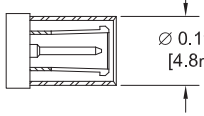
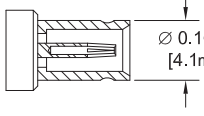
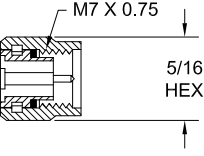
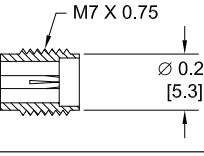
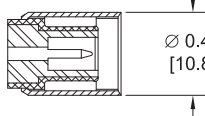
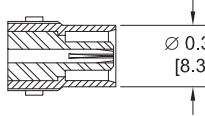
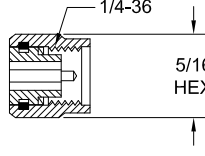
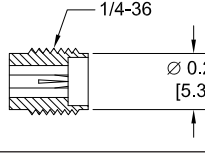
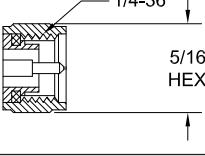
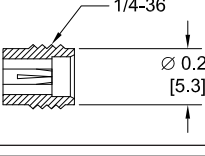
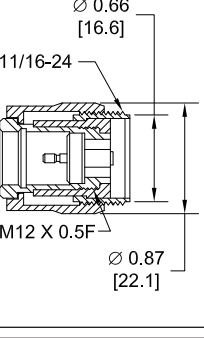
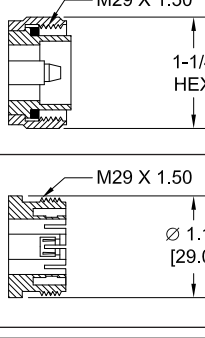
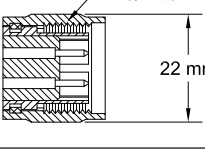
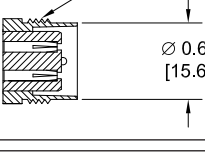
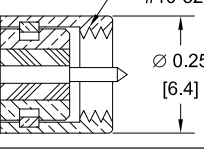
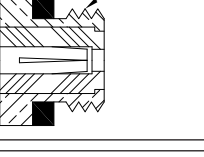
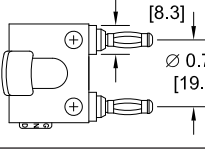
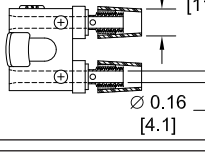
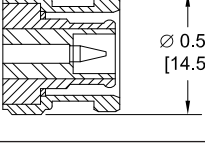
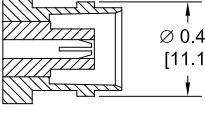
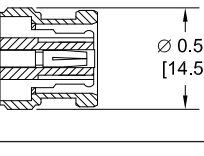
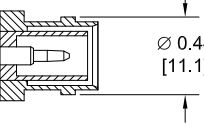
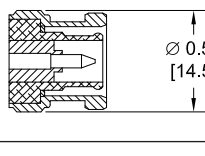
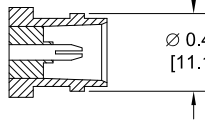
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Cable Assemblies

CONNECTOR IDENTIFIER

SPECIFICATIONS SHOWN ARE INTENDED FOR IDENTIFICATION PURPOSES ONLY

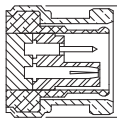
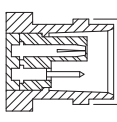
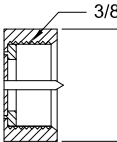
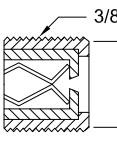
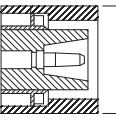
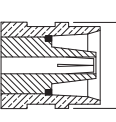
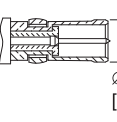
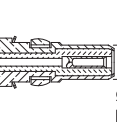
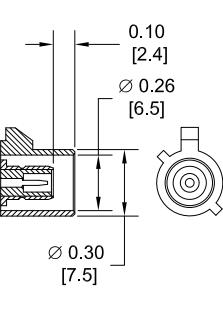
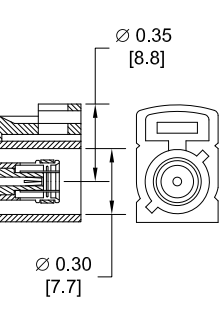
















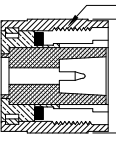
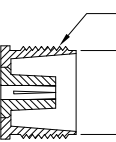
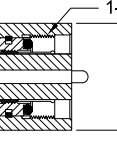
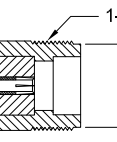
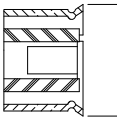
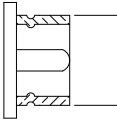
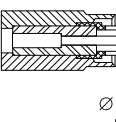
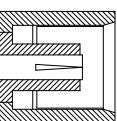
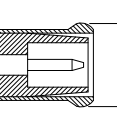
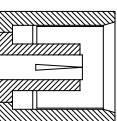
1.0/2.3 SLIDE ON	PLUG	
	JACK	
1.85 mm**	MALE	
	FEMALE	
1.0/2.3 SNAP ON	PLUG	
	JACK	
2.4 mm**	MALE	
	FEMALE	
1.6/56	PLUG	
	JACK	
2.92 mm**	MALE	
	FEMALE	
3.5 mm*	MALE	
	FEMALE	
7 mm	PLUG	
	JACK	
3/4-20 TWINAX	MALE	
	FEMALE	
10 - 32	MALE	
	FEMALE	
BANANA	PLUG	
	JACK	
BNC	MALE	
	FEMALE	
REVERSE POLARITY BNC	MALE	
	FEMALE	
75 OHM BNC	MALE	
	FEMALE	

*SMA, 2.92mm, & 3.5mm CONNECTORS WILL MATE MECHANICALLY & ELECTRICALLY TO EACH OTHER.

**1.85mm & 2.4mm CONNECTORS WILL MATE MECHANICALLY & ELECTRICALLY TO EACH OTHER.

CONNECTOR IDENTIFIER

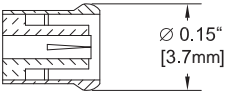
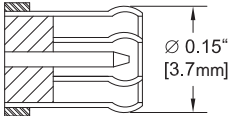
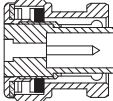
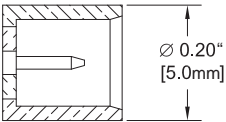
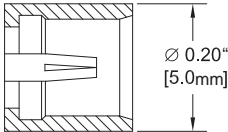
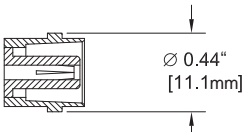
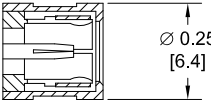
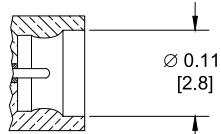
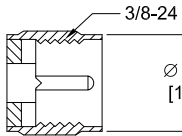
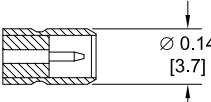
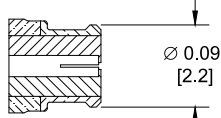
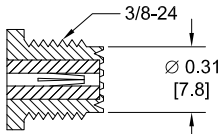
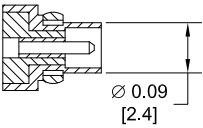
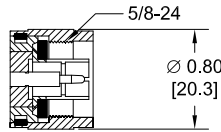
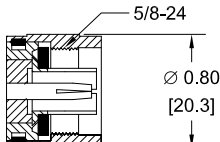
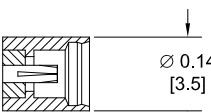
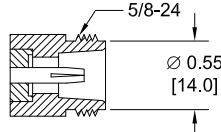
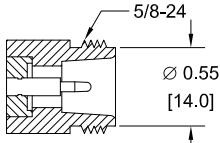
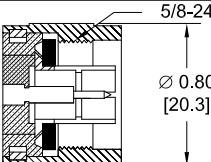
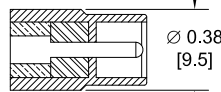
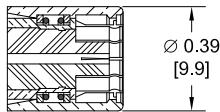
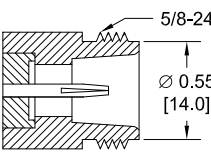
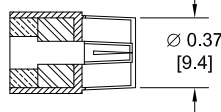
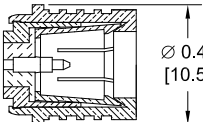
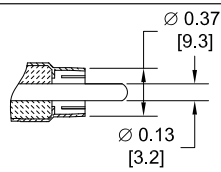
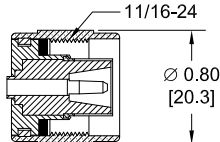
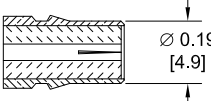
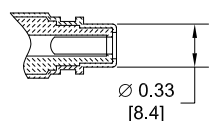
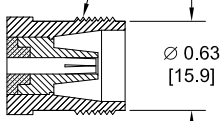
SPECIFICATIONS SHOWN ARE INTENDED FOR IDENTIFICATION PURPOSES ONLY

BNC TWINAX	PLUG	 Ø 0.57" [14.5mm]				
	JACK	 Ø 0.44" [11.1mm]				
F	MALE	 3/8-32 7/16 HEX				
	FEMALE	 3/8-32 Ø 0.34 [8.5]				
C	MALE	 Ø 0.75" [19.1mm]				
	FEMALE	 Ø 0.60" [15.2mm]				
D SUBMINIATURE	PLUG	 Ø 0.19" [4.8mm]				
	RECEPTACLE	 Ø 0.15" [3.9mm]				
FAKRA	PLUG	 0.10 [2.4] Ø 0.26 [6.5] Ø 0.30 [7.5]				
	JACK	 Ø 0.35 [8.8] Ø 0.30 [7.7]				
FAKRA	COMPLETE KEY CODE INFO	CODE	JACK	PLUG	COLOR	APPLICATION
		A			BLACK	RADIO WITH PHANTOM SUPPLY
		B			WHITE	RADIO WITHOUT PHANTOM SUPPLY
		C			BLUE	GPS: TELEMATICS OR NAVIGATION
		D			BORDEAUX	GSM: CELLULAR PHONE
H			VIOLET	GPS: TELEMATICS AND NAVIGATION		
I			BEIGE	BLUETOOTH		
K			CURRY	RADIO WITH I.F. OUTPUT (ANTENNA DIVERSITY)		
Z			WATER BLUE	NEUTRAL CODING		
GR874	MALE	 3/4-20 Ø 0.90 [22.9]				
	FEMALE	 3/4-20 Ø 0.67 [17.1]				
LC	MALE	 1-1/4-18 1-1/2 HEX				
	FEMALE	 1-1/4-18 Ø 1.17 [29.6]				
UMCX	PLUG	 Ø 0.10 [2.5]				
	JACK	 Ø 0.08 [2.0]				
MC-CARD	PLUG	 Ø 0.087 [2.2]				
	JACK	 Ø 0.20 [5.0]				
MCX	PLUG	 Ø 0.15 [3.7]				
	JACK	 Ø 0.20 [5.0]				



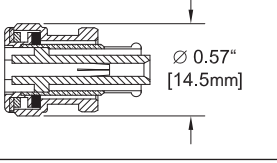
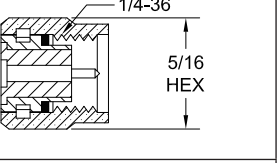
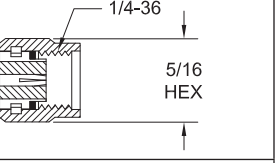
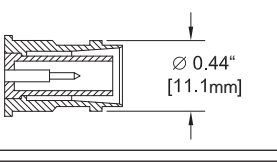
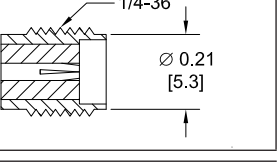
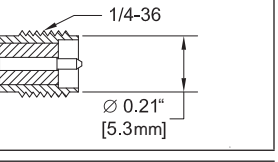
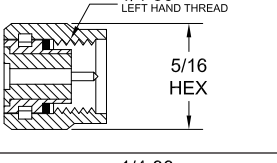
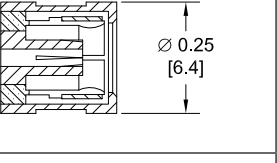
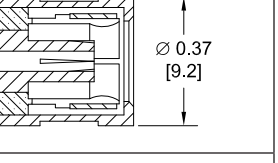
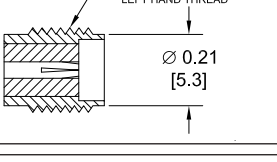
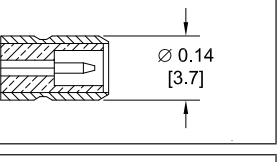
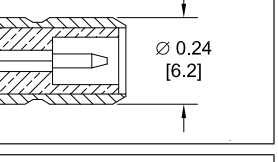
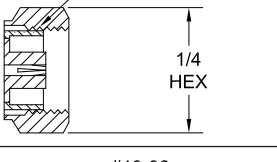
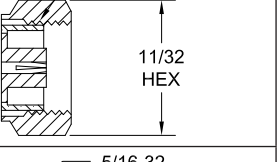
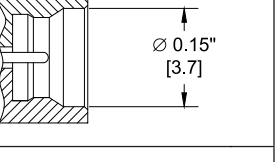
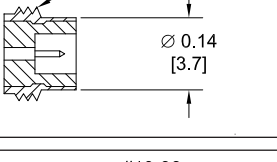
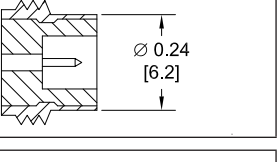
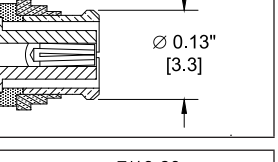
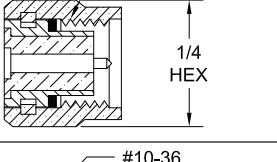
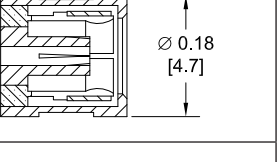
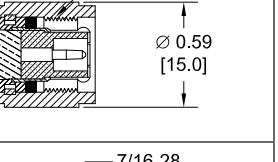
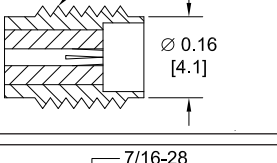
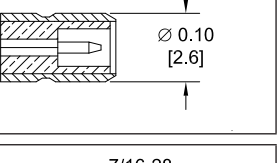
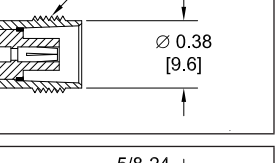
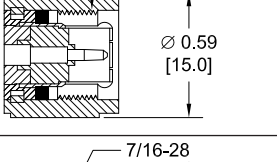
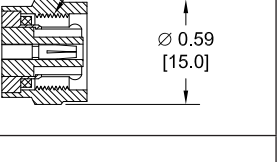
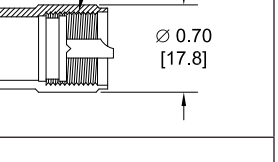
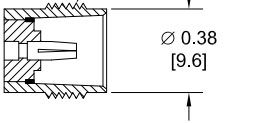
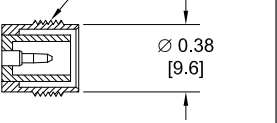
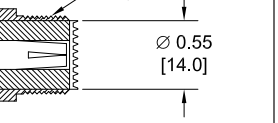
CONNECTOR IDENTIFIER

SPECIFICATIONS SHOWN ARE INTENDED FOR IDENTIFICATION PURPOSES ONLY

REVERSE POLARITY MCX	PLUG	 Ø 0.15" [3.7mm]	75 OHM MCX	PLUG	 Ø 0.15" [3.7mm]	MHV	MALE	 Ø 0.57" [14.5mm]
	JACK	 Ø 0.20" [5.0mm]		JACK	 Ø 0.20" [5.0mm]		FEMALE	 Ø 0.44" [11.1mm]
MINI 75 OHM SMB	PLUG	 Ø 0.25 [6.4]	MINI SMP	MALE	 Ø 0.11" [2.8]	MINI-UHF	MALE	 3/8-24 Ø 0.45 [11.5]
	JACK	 Ø 0.14 [3.7]		FEMALE	 Ø 0.09" [2.2]		FEMALE	 3/8-24 Ø 0.31 [7.8]
MMCX	PLUG	 Ø 0.09 [2.4]	N	MALE	 5/8-24 Ø 0.80 [20.3]	REVERSE POLARITY N	MALE	 5/8-24 Ø 0.80 [20.3]
	JACK	 Ø 0.14 [3.5]		FEMALE	 5/8-24 Ø 0.55 [14.0]		FEMALE	 5/8-24 Ø 0.55 [14.0]
75 OHM N	MALE	 5/8-24 Ø 0.80 [20.3]	PAL	PLUG	 Ø 0.38 [9.5]	POSITIVE SNAP	 Ø 0.39 [9.9]	
	FEMALE	 5/8-24 Ø 0.55 [14.0]		JACK	 Ø 0.37 [9.4]			
OMA	MALE	 Ø 0.41 [10.5]	RCA	PLUG	 Ø 0.37 [9.3] Ø 0.13 [3.2]	SC	MALE	 11/16-24 Ø 0.80 [20.3]
	FEMALE	 Ø 0.19 [4.9]		JACK	 Ø 0.33 [8.4]		FEMALE	 11/16-24 Ø 0.63 [15.9]

CONNECTOR IDENTIFIER

SPECIFICATIONS SHOWN ARE INTENDED FOR IDENTIFICATION PURPOSES ONLY

SHV	PLUG	 Ø 0.57" [14.5mm]	SMA*	MALE	 1/4-36 5/16 HEX	REVERSE POLARITY SMA	MALE	 1/4-36 5/16 HEX
	JACK	 Ø 0.44" [11.1mm]		FEMALE	 1/4-36 Ø 0.21 [5.3]		FEMALE	 1/4-36 Ø 0.21" [5.3mm]
SMA REVERSE THREAD	MALE	 1/4-36 LEFT HAND THREAD 5/16 HEX	SMB	PLUG	 Ø 0.25 [6.4]	75 OHM SMB	PLUG	 Ø 0.37 [9.2]
	FEMALE	 1/4-36 LEFT HAND THREAD Ø 0.21 [5.3]		JACK	 Ø 0.14 [3.7]		JACK	 Ø 0.24 [6.2]
SMC	PLUG	 #10-32 1/4 HEX	75 OHM SMC	PLUG	 5/16-32 11/32 HEX	SMP	MALE	 Ø 0.15" [3.7]
	JACK	 #10-32 Ø 0.14 [3.7]		JACK	 5/16-32 Ø 0.24 [6.2]		FEMALE	 Ø 0.13" [3.3]
SSMA	MALE	 #10-36 1/4 HEX	SSMB	PLUG	 Ø 0.18 [4.7]	TNC	MALE	 7/16-28 Ø 0.59 [15.0]
	FEMALE	 #10-36 Ø 0.16 [4.1]		JACK	 Ø 0.10 [2.6]		FEMALE	 7/16-28 Ø 0.38 [9.6]
75 OHM TNC	MALE	 7/16-28 Ø 0.59 [15.0]	REVERSE POLARITY TNC	MALE	 7/16-28 Ø 0.59 [15.0]	UHF	MALE	 5/8-24 Ø 0.70 [17.8]
	FEMALE	 7/16-28 Ø 0.38 [9.6]		FEMALE	 7/16-28 Ø 0.38 [9.6]		FEMALE	 5/8-24 Ø 0.55 [14.0]

*SMA, 2.92mm & 3.5mm CONNECTORS WILL MATE MECHANICALLY & ELECTRICALLY TO EACH OTHER.



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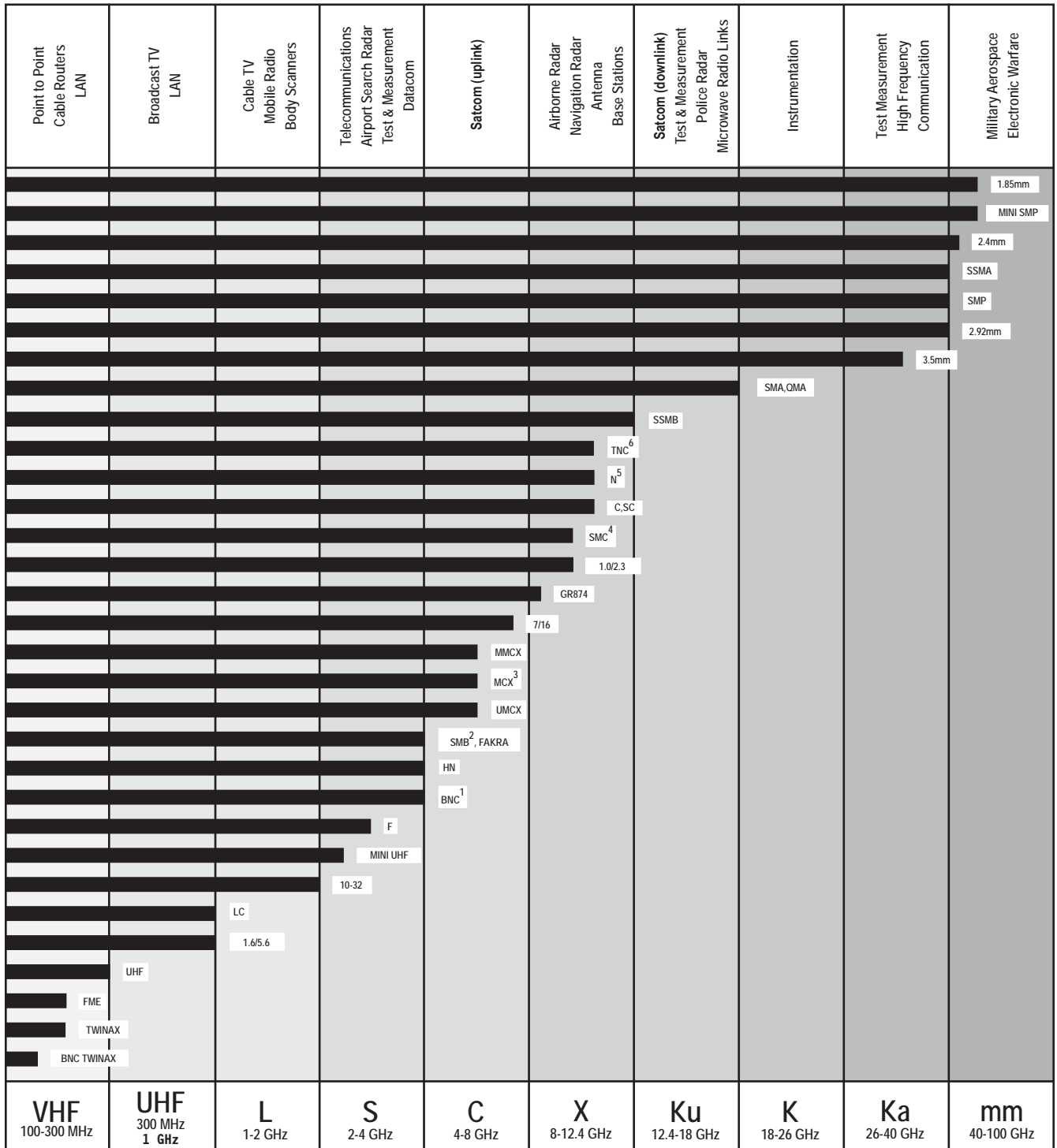


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Notes:

- 1: BNC-75 Ohm connectors operate up to 1 GHz
- 2: SMB-75 Ohm & Mini SMB-75 Ohm connectors operate up to 4 GHz
- 3: MCX-75 Ohm connectors operate up to 6 GHz
- 4: SMC-75 Ohm connectors operate up to 10 GHz
- 5: N-75 Ohm connectors operate up to 1.5 GHz
- 6: TNC-75 Ohm connectors operate up to 1 GHz

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