



Look for the Ultra-Wideband (UWB) symbol to quickly locate UWB components.

Revised : December 15, 2023

Ancillary, Passive, and Antenna Product Ordering Guide



This guide presents a portfolio of ancillary, passive, and antenna components, including Westell’s Ultra-Wideband (UWB) covering a broad frequency range, complementary to In-Building Distributed Antenna Systems (DAS) and Public Safety Emergency Responder Communications Enhancement System (ERCES) solutions.

The ancillary, passive, and antenna products that Westell® offers are available in the following categories:

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Need Custom Products?

We can help by providing custom products including filters, combiners, and duplexers as well as complete system solutions. Contact us at info@westell.com.



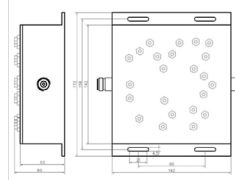
RF Band Reject Filters: Cellular and Public Safety

Part Number:	Description:	Band Reject:	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS09-172-434	SPRINT SMR BAND REJECT, FLTR-10NF10-811, 856, FILTER, 10 MHZ (806), N(F)	30dB@600-804MHz 30dB@818-849MHz 30dB@863-1000MHz	806-816 & 851-861	10	N/A	N-TYPE(F)	IP60
CS09-751-430	FLTR-700PS, 700LTE -769775, 799-805, N(F) *SPECIAL ORDER	30dB@780-794MHz	769-775 & 799-805	50	N/A	N-TYPE(F)	IP60
CS09-768-845	PS FLTR-BAND14, FIRSTNET, N(F)	30dB@788-798MHz 30dB@758-768MHz	769-775 & 799-816 & 851-866	50	-150	N-TYPE(F)	IP67

CS09-172-434



CS09-751-430



CS09-768-845



Duplexers: Public Safety

Part Number:	Description:	Pass Band (MHz):	Insertion Loss (dB):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS06-766-842	PS DPLX PS7, FIRSTNET, N(F)	788-805; 758-775	≤ 1	50	-153	N-TYPE(F)	IP67
CS06-767-843	PS DPLX PS8, FIRSTNET, -153 DBC, N(F)	806-824; 851-869	≤ 1	50	-153	N-TYPE(F)	IP67

CS06-766-842.
CS06-767-843



Crossband Couplers: Cellular and Public Safety

Part Number:	Description:	Frequency Range Supported (MHz):	Power Rating (W):	Rejection (dB):	Connector Style:	IP Rating:
CS06-018-091	CSI-CBC, 800-2.3K, N(F) *SPECIAL ORDER	PORT 1: 800-960 PORT 2: 1710-2300	150	50	N-TYPE(F)	NA
CS06-018-388	CBC, 698-2.3K, N(F) *SPECIAL ORDER	PORT 1: 698-900 PORT 2: 1710-2300	150	50	N-TYPE(F)	NA
CS06-764-838	PS CBC-PS7, PS8, N(F)	PORT 1: 758-805 PORT 2: 806-869	50	18	N-TYPE(F)	IP67
CS06-770-846	PS CBC-STD-150-512, 758-940, N(F)	PORT 1: 150-512 PORT 2: 758-940	20	50	N-TYPE(F)	IP67
CS06-771-847	PS CBC-STD-150-174, 403-512, N(F)	PORT 1: 150-174 PORT 2: 403-512	20	50	N-TYPE(F)	IP67

CS06-018-091,
CS06-018-388



CS06-764-838



CS06-770-846,
CS06-771-847



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Directional Couplers: 340-2700 MHz Public Safety

Part Number:	Description:	Coupling (dB)	Frequency Range (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	Product Image:
CS05-488-429	PS CLEARLINK-DC5, 340-2.7K, N(F)	5	340-2700	300	N/A	N-TYPE(F)	
CS05-489-429	PS CLEARLINK-DC6, 340-2.7K, N(F)	6	340-2700	300	N/A	N-TYPE(F)	
CS05-490-429	PS CLEARLINK-DC10, 340-2.7K, N(F)	10	340-2700	300	N/A	N-TYPE(F)	
CS05-491-429	PS CLEARLINK-DC15, 340-2.7K, N(F)	15	340-2700	300	N/A	N-TYPE(F)	
CS05-492-429	PS CLEARLINK-DC20, 340-2.7K, N(F)	20	340-2700	300	N/A	N-TYPE(F)	
CS05-493-429	PS CLEARLINK-DC30, 340-2.7K, N(F)	30	340-2700	300	N/A	N-TYPE(F)	



Directional Couplers: 555-6000 MHz Cellular

Part Number:	Description:	Coupling (dB)	Frequency Range (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	Product Image:
CS65-001-054	5 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	5	555-6000	200	-161	4.3-10(F)	
CS65-002-064	6 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	6	555-6000	200	-161	4.3-10(F)	
CS65-003-074	7 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	7	555-6000	200	-161	4.3-10(F)	
CS65-004-084	8 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	8	555-6000	200	-161	4.3-10(F)	
CS65-005-104	10 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	10	555-6000	200	-161	4.3-10(F)	
CS65-006-134	13 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	13	555-6000	200	-161	4.3-10(F)	
CS65-007-154	15 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	15	555-6000	200	-161	4.3-10(F)	
CS65-008-204	20 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	20	555-6000	200	-161	4.3-10(F)	
CS65-009-304	30 DB DIRECTIONAL COUPLER, 555-6000, -161, 4.3-10(F)	30	555-6000	200	-161	4.3-10(F)	



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Directional Couplers: ClearLink® 340-2700 MHz Cellular and Public Safety

Part Number:	Description:	Coupling (dB)	Frequency Range (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:
CS05-101-429	DC6, 700-2.7K, N(F)	6	700-2700	100	N/A	N-TYPE(F)
CS05-102-429	DC10, 700-2.7K, N(F)	10	700-2700	100	N/A	N-TYPE(F)
CS05-103-429	DC15, 700-2.7K, N(F)	15	700-2700	100	N/A	N-TYPE(F)
CS05-104-429	DC20, 700-2.7K, N(F)	20	700-2700	100	N/A	N-TYPE(F)
CS05-105-429	DC30, 700-2.7K, N(F)	30	700-2700	100	N/A	N-TYPE(F)
CS05-124-429	CLEARLINK-DC5, 698-2.7K, N(F)	5	698-2700	200	-154	N-TYPE(F)
CS05-124-4294310	CLEARLINK-DC5, 617-2.7K, -154, 4.3-10(F)	5	617-2700	200	-154	4.3-10(F)
CS05-125-429	CLEARLINK-DC6, 698-2.7K, N(F)	6	698-2700	200	-154	N-TYPE(F)
CS05-125-4294310	CLEARLINK-DC6, 617-2.7K, -154, 4.3-10(F)	6	617-2700	200	-154	4.3-10(F)
CS05-128-429	CLEARLINK-DC10, 698-2.7K, N(F)	10	698-2700	200	-154	N-TYPE(F)
CS05-128-4294310	CLEARLINK-DC10, 617-2.7K, -154, 4.3-10(F)	10	617-2700	200	-154	4.3-10(F)
CS05-129-429	CLEARLINK-DC15, 698-2.7K, N(F)	15	698-2700	200	-154	4.3-10N (F)
CS05-129-4294310	CLEARLINK-DC15, 617-2.7K, -154, 4.3-10(F)	15	617-2700	200	-154	4.3-10(F)
CS05-130-429	CLEARLINK-DC20, 698-2.7K, N(F)	20	698-2700	200	-154	N-TYPE(F)
CS05-130-4294310	CLEARLINK-DC20, 617-2.7K, -154, 4.3-10(F)	20	617-2700	200	-154	4.3-10(F)
CS05-131-4294310	CLEARLINK-DC30, 617-2.7K, -154, 4.3-10(F)	30	617-2700	200	-154	4.3-10(F)
CS05-173-429	CLEARLINK-DC5, 617-2.7K, -161, 4.3-10(F)	5	617-2700	200	-161	4.3-10(F)
CS05-174-429	CLEARLINK-DC6, 617-2.7K, -161, 4.3-10(F)	6	617-2700	200	-161	4.3-10(F)
CS05-175-429	CLEARLINK-DC10, 617-2.7K, -161, 4.3-10(F)	10	617-2700	200	-161	4.3-10(F)
CS05-176-429	CLEARLINK-DC15, 617-2.7K, -161, 4.3-10(F)	15	617-2700	200	-161	4.3-10(F)
CS05-177-429	CLEARLINK-DC20, 617-2.7K, -161, 4.3-10(F)	20	617-2700	200	-161	4.3-10(F)
CS05-417-429	CLEARLINK-DC6, 340-2.7K, 4.3-10(F)	6	340-2700	300	N/A	4.3-10(F)



7, 16 DIN female connector

CS05-124-429, CS05-125-429, CS05-128-429, CS05-129-429, CS05-130-429, CS05-186-429,
CS05-124-4294310, CS05-125-4294310, CS05-128-4294310, CS05-129-4294310, CS05-130-4294310,
CS05-131-4294310, CS05-173-429, CS05-174-429, CS05-175-429, CS05-176-429, CS05-177-429



N-Type female connector



CS05-101-429, CS05-102-429, CS05-103-429,
CS05-104-429, CS05-105-429



CS05-417-429



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Diameter (dia), Height (h), Length (l), Width (w), Depth (d)

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Hybrid Couplers: 698-2700 MHz Cellular and Public Safety

Part Number:	Description:	Freq. Range (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:	Product Image:
CS05-106-390	HC3, 700-2.5K, N(F)	700-2500	120	N/A	N-TYPE(F)	N/A	
CS05-113-390	CLEARLINK-HC3, 698-2.7K, MS, N(F)	698-2700	200	-153	N-TYPE(F)	IP65	
CS05-114-390	CLEARLINK-HC3, 698-2.7K, MS, DIN(F)	698-2700	200	-153	7/16-DIN(F)	IP65	
CS05-172-390	CLEARLINK-HC3, 617-2.7K, -161, 4.3-10(F)	617-2700	200	-161	4.3-10(F)	IP65	
CS05-190-390	CLEARLINK-HC3, 617-2.7K, -161, DIN(F)	617-2700	200	-161	7/16-DIN(F)	IP65	
CS05-195-390	CLEARLINK-HC6, 4X4, 617-2.7K, -161, 4.3-10(F) *SPECIAL ORDER	617-2700	100	-161	4.3-10(F)	IP67	
CS05-200-390	COMBINER HC6, 4X4, 617-2.7K, -161, 4.3-10(F), GEN2 *SPECIAL ORDER	617-2700	150	-161	4.3-10(F)	IP67	
CS05-211-390	CLEARLINK-HC5, 3X3, 617-2.7K, -161, 4.3-10(F) *SPECIAL ORDER	617-2700	150	-161	4.3-10(F)	IP67	
CS05-487-390	CLEARLINK-HC3, 340-2.7K, N(F)	340-2700	300	N/A	N-TYPE(F)	IP65	
CV05-537-690	PS VHF-HC3, 138-960, N(F) *SPECIAL ORDER	138-960	200	-153	N-TYPE(F)	IP65	
CS63-811-390	HC3, 2X2, 600-6000, -160, 4.3-10(F)	600-6000	200	-161	4.3-10(F)	IP65	



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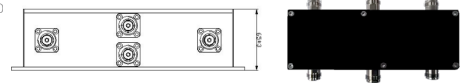
Diameter (dia), Height (h), Length (l), Width (w), Depth (d)



Combiner: 600-6000 MHz Cellular

Part Number:	Description:	Channels:	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS63-812-390	COMBINER HC6, 4X4, 600-6K, -161, 4.3-10(F)	4 x 4	600-6000	300	-161	4.3-10(F)	IP65

CS63-812-390



Power Tappers: 617-2700 MHz Cellular

Part Number:	Description:	Coupling (dB):	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS05-162-114	CLEARLINK-PT3, 617-2.7K, -161, 4.3-10(F)	3	617-2700	200	-161	4.3-10(F)	IP65
CS05-163-114	CLEARLINK-PT5, 617-2.7K, -161, 4.3-10(F)	5	617-2700	200	-161	4.3-10(F)	IP65
CS05-164-114	CLEARLINK-PT6, 617-2.7K, -161, 4.3-10(F)	6	617-2700	200	-161	4.3-10(F)	IP65
CS05-165-114	CLEARLINK-PT7, 617-2.7K, -161, 4.3-10(F)	7	617-2700	200	-161	4.3-10(F)	IP65
CS05-166-114	CLEARLINK-PT8, 617-2.7K, -161, 4.3-10(F)	8	617-2700	200	-161	4.3-10(F)	IP65
CS05-167-114	CLEARLINK-PT10, 617-2.7K, -161, 4.3-10(F)	10	617-2700	200	-161	4.3-10(F)	IP65
CS05-168-114	CLEARLINK-PT13, 617-2.7K, -161, 4.3-10(F)	13	617-2700	200	-161	4.3-10(F)	IP65
CS05-169-114	CLEARLINK-PT15, 617-2.7K, -161, 4.3-10(F)	15	617-2700	200	-161	4.3-10(F)	IP65
CS05-170-114	CLEARLINK-PT20, 617-2.7K, -161, 4.3-10(F)	20	617-2700	200	-161	4.3-10(F)	IP65

CS05-162-114, CS05-163-114, CS05-164-114, CS05-165-114, CS05-166-114, CS05-167-114, CS05-168-114, CS05-169-114, CS05-170-114



Power Tappers: 340-2700 MHz Cellular and Public Safety

Part Number:	Description:	Coupling (dB):	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS05-494-114	PS CLEARLINK-PT3, 340-2.7K, N(F)	3	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-478-114	PS CLEARLINK-PT5, 340-2.7K, N(F)	5	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-479-114	PS CLEARLINK-PT6, 340-2.7, N(F)	6	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-480-114	PS CLEARLINK-PT7, 340-2.7K, N(F)	7	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-481-114	PS CLEARLINK-PT8, 340-2.7K, N(F)	8	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-482-114	PS CLEARLINK-PT10, 340-2.7K, N(F)	10	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-483-114	PS CLEARLINK-PT13, 340-2.7K, N(F)	13	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-484-114	PS CLEARLINK-PT15, 340-2.7K, N(F)	15	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-485-114	PS CLEARLINK-PT20, 340-2.7K, N(F)	20	340-2700	300	N/A	N-TYPE(F)	IP67
CS05-486-114	PS CLEARLINK-PT30, 340-2.7K, N(F)	30	340-2700	300	N/A	N-TYPE(F)	IP67

CS05-478-114, CS05-479-114, CS05-480-114, CS05-481-114, CS05-482-114, CS05-483-114, CS05-484-114, CS05-485-114, CS05-486-114, CS05-494-114





Power Tappers: 138-960 MHz Public Safety

Part Number:	Description:	Coupling (dB):	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CV05-522-614	PS VHF-PT3, 138-960, N(F)	3	138-960	200	-153	N-TYPE(F)	IP65
CV05-523-614	PS VHF-PT5, 138-960, N(F)	5	138-960	200	-153	N-TYPE(F)	IP65
CV05-524-614	PS VHF-PT6, 138-960, N(F)	6	138-960	200	-153	N-TYPE(F)	IP65
CV05-526-614	PS VHF-PT8, 138-960, N(F)	8	138-960	200	-153	N-TYPE(F)	IP65
CV05-527-614	PS VHF-PT10, 138-960, N(F)	10	138-960	200	-153	N-TYPE(F)	IP65
CV05-528-614	PS VHF-PT13, 138-960, N(F)	13	138-960	200	-153	N-TYPE(F)	IP65
CV05-529-614	PS VHF-PT15, 138-960, N(F)	15	138-960	200	-153	N-TYPE(F)	IP65
CV05-530-614	PS VHF-PT20, 138-960, N(F)	20	138-960	200	-153	N-TYPE(F)	IP65
CV05-531-614	PS VHF-PT30, 138-960, N(F)	30	138-960	200	-153	N-TYPE(F)	IP65



CV05-522-614, CV05-523-614, CV05-524-614, CV05-526-614, CV05-527-614, CV05-528-614, CV05-529-614, CV05-530-614, CV05-531-614



Power Tappers: 380-6000 MHz Cellular

Part Number:	Description:	Coupling (dB):	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS65-550-853	PWR TPR-3.0, 380-6000, LOW PIM, 4.3-10(F)	3	380-6000	500	-161	4.3-10(F)	IP65
CS65-551-853	PWR TPR-4.8, 380-6000, LOW PIM, 4.3-10(F)	4	380-6000	500	-161	4.3-10(F)	IP65
CS65-552-853	PWR TPR-6.0, 380-6000, LOW PIM, 4.3-10(F)	6	380-6000	500	-161	4.3-10(F)	IP65
CS65-553-853	PWR TPR-7.0, 380-6000, LOW PIM, 4.3-10(F)	7	380-6000	500	-161	4.3-10(F)	IP65
CS65-554-853	PWR TPR-8.0, 380-6000, LOW PIM, 4.3-10(F)	8	380-6000	500	-161	4.3-10(F)	IP65
CS65-555-853	PWR TPR-9.0, 380-6000, LOW PIM, 4.3-10(F)	9	380-6000	500	-161	4.3-10(F)	IP65
CS65-556-853	PWR TPR-10, 380-6000, LOW PIM, 4.3-10(F)	10	380-6000	500	-161	4.3-10(F)	IP65
CS65-557-853	PWR TPR-13, 380-6000, LOW PIM, 4.3-10(F)	13	380-6000	500	-161	4.3-10(F)	IP65
CS65-558-853	PWR TPR-15, 380-6000, LOW PIM, 4.3-10(F)	15	380-6000	500	-161	4.3-10(F)	IP65
CS65-559-853	PWR TPR-20, 380-6000, LOW PIM, 4.3-10(F)	20	380-6000	500	-161	4.3-10(F)	IP65
CS65-560-853	PWR TPR-30, 380-6000, LOW PIM, 4.3-10(F)	30	380-6000	500	-161	4.3-10(F)	IP65



CS65-550-853, CS65-551-853, CS65-552-853, CS65-554-853, CS65-556-853, CS65-557-853, CS65-558-853, CS65-559-853, CS65-560-853



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Power Dividers: Cellular and Public Safety

Part Number:	Description:	Channels:	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS04-040-429	CLEARLINK-SPD2, 698-2.7K, N(F)	2	698-2700	300	-153	N-TYPE(F)	IP65
CS04-041-429	CLEARLINK-SPD3, 698-2.7K, N(F)	3	698-2700	300	-153	N-TYPE(F)	IP65
CS04-046-429	CLEARLINK-SPD2, 698-2.7K-LP, N(F)	2	698-2700	50	-153	N-TYPE(F)	IP65
CS04-046-4294310	CLEARLINK-SPD2, LP, 617-2.7K, -154, 4.3-10(F)	2	617-2700	50	-154	4.3-10(F)	IP65
CS04-047-429	CLEARLINK-SPD3, 698-2.7K-LP, N(F)	3	698-2700	50	-153	N-TYPE(F)	IP65
CS04-048-429	CLEARLINK-SPD4, 698-2.7K-LP, N(F)	4	698-2700	50	-153	N-TYPE(F)	IP65
CS04-053-429	CLEARLINK-SPD2, HP, 617-2.7K, -161, 4.3-10(F)	2	617-2700	300	-161	4.3-10(F)	IP65
CS04-054-429	CLEARLINK-SPD3, HP, 617-2.7K, -161, 4.3-10(F)	3	617-2700	300	-161	4.3-10(F)	IP65
CS04-055-429	CLEARLINK-SPD4, HP, 617-2.7K, -161, 4.3-10(F)	4	617-2700	300	-161	4.3-10(F)	IP65
CS04-056-429	CLEARLINK-SPD2, LP, 617-2.7K, -161, 4.3-10(F)	2	617-2700	50	-161	4.3-10(F)	IP65
CS04-057-429	CLEARLINK-SPD3, LP, 617-2.7K, -161, 4.3-10(F)	3	617-2700	50	-161	4.3-10(F)	IP65
CS04-058-429	CLEARLINK-SPD4, LP, 617-2.7K, -161, 4.3-10(F)	4	617-2700	50	-161	4.3-10(F)	IP65
CS04-401-429	CLEARLINK-SPD3, 340-2.7K, 4.3-10(F)	3	340-2700	300	N/A	4.3-10(F)	IP65
CS04-472-429	PS CLEARLINK-SPD2, 340-2.7K, N(F)	2	340-2700	300	N/A	N-TYPE(F)	IP65
CS04-473-429	PS CLEARLINK-SPD3, 340-2.7K, N(F)	3	340-2700	300	N/A	N-TYPE(F)	IP65
CS04-474-429	PS CLEARLINK-SPD4, 340-2.7K, N(F)	4	340-2700	300	N/A	N-TYPE(F)	IP65



CS04-040-429, CS04-041-429



CS04-401-429, CS04-472-429,
CS04-473-429, CS04-474-429



CS04-053-429, CS04-054-429,
CS04-055-429



CS04-046-429, CS04-046-4294310, CS04-047-429,
CS04-048-429, CS04-056-429, CS04-057-429, CS04-058-429



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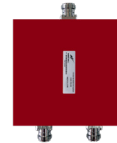
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Power Dividers: 138-960 MHz Public Safety

Part Number:	Description:	Channels:	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CV04-500-629	PS VHF-SPD2, 138-960, N(F)	2	138-960	50	N/A	N-TYPE(F)	IP65
CV04-501-629	PS VHF-SPD3, 138-960, N(F)	3	138-960	50	N/A	N-TYPE(F)	IP65
CV04-502-629	PS VHF-SPD4, 138-960, N(F)	4	138-960	50	N/A	N-TYPE(F)	IP65



CV04-500-629,
CV04-501-629,
CV04-502-629

Power Dividers: 340-2700 MHz Public Safety

Part Number:	Description:	Channels:	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS04-472-429	PS CLEARLINK-SPD2, 340-2.7K, N(F)	2	340-2700	300	N/A	N-TYPE(F)	IP65
CS04-473-429	PS CLEARLINK-SPD3, 340-2.7K, N(F)	3	340-2700	300	N/A	N-TYPE(F)	IP65
CS04-474-429	PS CLEARLINK-SPD4, 340-2.7K, N(F)	4	340-2700	300	N/A	N-TYPE(F)	IP65



CS04-472-429, CS04-473-429, CS04-474-429



Power Dividers: 600-6000 MHz Cellular

Part Number:	Description:	Channels:	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:	IP Rating:
CS64-001-024	2-WAY HIPWR SPLTR, 575-6K MHZ, -161, 4.3-10(F) REACTIVE	2	575-6000	300	-161	4.3-10(F)	IP65
CS64-001-024LP	2-WAY LP SPLTR, 600-6K MHZ, -161, 4.3-10(F) WILKINSON	2	600-6000	50	-161	4.3-10(F)	IP65
CS64-002-034	3-WAY HIPWR SPLTR, 575-6K MHZ, -161, 4.3-10(F) REACTIVE	3	575-6000	300	-161	4.3-10(F)	IP65
CS64-002-034LP	3-WAY LP SPLTR, 600-6K MHZ, -161, 4.3-10(F) WILKINSON	3	600-6000	50	-161	4.3-10(F)	IP65
CS64-003-044	4-WAY HIPWR SPLTR, 575-6K MHZ, -161, 4.3-10(F) REACTIVE	4	575-6000	300	-161	4.3-10(F)	IP65
CS64-003-044LP	4-WAY LP SPLTR, 600-6K MHZ, -161, 4.3-10(F) WILKINSON	4	600-6000	50	-161	4.3-10(F)	IP65



CS64-001-024LP



CS64-002-034LP



CS64-003-044LP



CS64-001-024, CS64-002-034, CS64-003-044



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Terminations: Cellular and Public Safety

Part Number:	Description:	Impedance (Ohms):	Frequency Range Supported (MHz):	Power Rating (W):	PIM Rating (dBc):	Connector Style:
CS48-920-001	2W, 2.2-5 M, TERM, 600-6000MHZ	50	DC-6000	2	---	2.2-5 M
CS48-955-001	2W, 4.3-10(M), TERM, 600-6000MHZ, LOW PIM	50	600-6000	2	-161	4.3-10(M)
CS48-955-002	2W, 4.3-10(F), TERM, 600-6000MHZ, LOW PIM *SPECIAL ORDER	50	600-6000	2	-161	4.3-10(F)
CS48-956-001	5W, 4.3-10(M), TERM, 600-6000MHZ, LOW PIM	50	600-6000	5	-161	4.3-10(M)
CS48-956-002	5W, 4.3-10(F), TERM, 600-6000MHZ, LOW PIM *SPECIAL ORDER	50	600-6000	5	-161	4.3-10(F)
CS48-957-001	10W, 4.3-10(M), TERM, 600-6000MHZ, LOW PIM	50	600-6000	10	-161	4.3-10(M)
CS48-957-002	10W, 4.3-10(F), TERM, 600-6000MHZ, LOW PIM *SPECIAL ORDER	50	600-6000	10	-161	4.3-10(F)
CS48-958-001	30W, 4.3-10(M), TERM, 600-6000MHZ, LOW PIM	50	600-6000	30	-161	4.3-10(M)
CS48-958-002	30W, 4.3-10(F), TERM, 600-6000MHZ, LOWPIM *SPECIAL ORDER	50	600-6000	30	-161	4.3-10(F)
CS48-959-001	100W, 4.3-10(M), TERM, 600-6000MHZ, LOW PIM	50	600-6000	100	-161	4.3-10(M)
CS48-959-002	100W, 4.3-10(F), TERM, 600-6000MHZ, LOW PIM *SPECIAL ORDER	50	600-6000	100	-161	4.3-10(F)
CS48-987-603	TRM6N-2W, TERMINATION, N(M), DC	50	DC-6000	2	N/A	N-TYPE (M)
CS48-999-620	TERMINATION, 1W, QMA(M)	50	DC-6000	1	N/A	QMA (M)



CS48-920-001



CS48-955-001, CS48-955-002,
CS48-956-001, CS48-956-002,
CS48-957-001, CS48-957-002,
CS48-958-001, CS48-958-002,
CS48-959-001, CS48-959-002



CS48-987-603



CS48-999-620



RF Adapters: Cellular

Part Number:	Description:	Impedance (Ohms):	Frequency Range Supported (MHz):	Connector Style 1:	Connector Style 2:
CS48-132-633	ADAPTER, 200W, 4.3-10(M), N(F), -165 dBc 0 to 6000 MHz	50	DC-6000	4.3-10(M)	N-TYPE(F)
CS60-5612-04	ADAPTER, 7-16 DIN(M), N(F)	50	DC-7500	7-16 DIN(M)	N-TYPE(F)

CS48-132-633



CS60-5612-04



RF Coaxial Surge Arrestor

Part Number:	Description:	Impedance (Ohms):	Frequency Range Supported (MHz):	Connector Style 1:	Connector Style 2:
CS60-024-001	RF COAXIAL SURGE ARRESTOR, N MALE to N FEMALE	50	0-3000	N-TYPE(M)	N-TYPE(F)
CS60-024-002	RF COAXIAL SURGE ARRESTOR, N FEMALE to N FEMALE	50	0-3000	N-TYPE(F)	N-TYPE(F)

CS60-024-001



CS60-024-002



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In-Line Attenuators: Cellular and Public Safety

Part Number:	Description:	Attenuation (dB):	Frequency Range Supported (MHz):	Power Rating (W):	Connector Style:
CS47-2310-003	3DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	3	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2310-005	5DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	5	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2310-006	6DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	6	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2310-010	10DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	10	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2310-015	15DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	15	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2310-020	20DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	20	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2310-030	30DB, DC-6000MHZ, 4.3-10 (M/F), 2W, N/A PIM RATING	30	DC-6000	2	4.3-10(M), 4.3-10(F)
CS47-2312-003	3DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	3	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-2312-005	5DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	5	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-2312-006	6DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	6	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-2312-010	10DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	10	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-2312-015	15DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	15	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-2312-020	20DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	20	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-2312-030	30DB, 600-6000MHZ, 4.3-10 (M/F), 80W, LOW PIM	30	600-6000	80	4.3-10(M), 4.3-10(F)
CS47-750-551	ATN6-2W3, ATTENUATOR, N(M/F)	3	DC-6000	2	N-TYPE(M), N-TYPE(F)
CS47-750-552	ATN6-2W5, ATTENUATOR, N(M/F)	5	DC-6000	2	N-TYPE(M), N-TYPE(F)
CS47-750-553	ATN6-2W6, ATTENUATOR, N(M/F)	6	DC-6000	2	N-TYPE(M), N-TYPE(F)
CS47-750-554	ATN6-2W10, ATTENUATOR, N(M/F)	10	DC-6000	2	N-TYPE(M), N-TYPE(F)
CS47-750-555	ATN6-2W15, ATTENUATOR, N(M/F)	15	DC-6000	2	N-TYPE(M), N-TYPE(F)
CS47-750-556	ATN6-2W20, ATTENUATOR, N(M/F)	20	DC-6000	2	N-TYPE(M), N-TYPE(F)
CS47-750-557	ATN6-2W30, ATTENUATOR, N(M/F)	30	DC-6000	2	N-TYPE(M), N-TYPE(F)



CS47-2310-003, CS47-2310-005,
CS47-2310-006, CS47-2310-010,
CS47-2310-015, CS47-2310-020,
CS47-2310-030












CS47-2312-003, CS47-2312-005, CS47-2312-006,
CS47-2312-010, CS47-2312-015, CS47-2312-020,
CS47-2312-030



CS47-750-551, CS47-750-552, CS47-750-553, CS47-750-554,
CS47-750-555, CS47-750-556, CS47-750-557

Indoor SISO Antennas

Part Number: CS03-011-429*	Description: Omnidirectional Antenna, -153 PIM, Quad Band (700-960, 1710-2700 MHz) w/plenum attached	Product Image: 		
Model Number: CLEARLINK-O/698-2.7K/N	Gain (dBi): 700-960 2 1710-2700 4		Frequency Range: 700-960 1710-2700	Connector Style: N-Type(f)
Dimensions: 8" (dia) x 4.5" (h)				
Polarization: Vertical				
Part Number: CS03-011-429-02	Description: Omnidirectional Antenna, -153 PIM, Quad Band (700-960, 1710-2700 MHz) w/plenum attached	Product Image: 		
Model Number: CLEARLINK-O/698-2.7K/4310	Gain (dBi): 700-960 2 1710-2700 4		Frequency Range: 700-960 1710-2700	Connector Style: 4.3-10(f)
Dimensions: 8" (dia) x 4.5" (h)				
Polarization: Vertical				
Part Number: CS03-019-429	Description: Omnidirectional Antenna, Quad Band (700-960, 1710-2700 MHz) w/plenum attached, white ECON	Product Image: 		
Model Number: ANT-O/698-2.7K/N(F)OMNI WHITE ECON	Gain (dBi): 698-960 1 1710-2700 5		Frequency Range: 698-960 1710-2700	Connector Style: N-Type(f)
Dimensions: 8" (dia) x 3.5" (h)				
Polarization: Vertical				
Part Number: CS03-020-833/N	Description: Omnidirectional Antenna, Rectangular Ultra Slim, -153 PIM (600-4000)	Product Image: 		
Model Number: ANT-O/600-4000-THINRECT/N(F)	Gain (dBi): 3 - 4		Frequency Range: 600-960 1690-4000	Connector Style: N-Type(f)
Dimensions: 7.1" (h) x 4.4" (w) x 0.28" (d)				
Polarization: Horizontal				
Part Number: CS03-021-833/N*	Description: Omnidirectional Antenna, Round Ultra Slim, -153 PIM (600-4000)	Product Image: 		
Model Number: ANT-O/600-4000-THINRND/N(F)	Gain (dBi): 3 - 4		Frequency Range: 600-960 1690-4000	Connector Style: N-Type(f)
Dimensions: 7.5" (dia) x 0.28" (h)				
Polarization: Horizontal				
Part Number: CS03-021-833/4310	Description: Omnidirectional Antenna, Round Ultra Slim, -153 PIM (600-4000)	Product Image: 		
Model Number: ANT-O/600-4000-THINRND/ N(4310)	Gain (dBi): 3 - 4		Frequency Range: 600-960 1690-4000	Connector Style: 4.3-10(f)
Dimensions: 7.5" (dia) x 0.28" (h)				
Polarization: Horizontal				
Part Number: 750-2018-001	Description: Bracket, antenna mount for CS03-011-429 and CS03-011-429-02.	Product Image: 		
Dimensions: 2.5" (h) x 3" (w) x 4.75" (l)				
Polarization: N/A				
Part Number: 750-2021-001*	Description: Bracket, antenna dry wall ceiling mount for CS03-011-429.	Product Image: 		
Dimensions: 5.75" (h) x 5.91" (w) x 0.25" (l)				
Polarization: N/A				
Part Number: 750-2023-001*	Description: Bracket, antenna PVC ceiling mount for CS03-021-833/N. This antenna bracket can only be ordered as a bundle. Not sold separately. See page 16 for more information.	Product Image: 		
Dimensions: 10.75" (dia) x 0.175" (h)				
Polarization: N/A				

*See Antenna and Mounting Bracket Bundles on page 16.



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Indoor Directional Panel Antennas

Part Number: CS03-012-389	Description: Directional Antenna, -153 PIM, Multiband (698-960 & 1710-2700 MHz)	Product Image: 		
Model Number: ClearLink-D, 698-2.7K, N	Gain (dBi): 7		Frequency Range: 698-960 1710-2700	Connector Style: N-TYPE(F)
Dimensions: 8.19" (h) x 7.00" (w) x 1.72" (d)				
Polarization: Vertical				
Part Number: CS03-012-389-02	Description: Directional Antenna, -153 PIM, Multiband (698-960 & 1710-2700 MHz)	Product Image: 		
Model Number: ClearLink-D, 698-2.7K, 4.3-10	Gain (dBi): 7		Frequency Range: 698-960 1710-2700	Connector Style: 4.3-10(F)
Dimensions: 8.19" (h) x 7.00" (w) x 1.72" (d)				
Polarization: Vertical				



Indoor Antennas

Part Number: CS03-037-852	Description: Ant-D-600-6000, MIMO, -153, 4.3-10	Product Image: 		
Model Number: N/A	Gain (dBi): 2.5-5.5		Frequency Range: 600-6000	Connector Style: 4.3-10(F)
Dimensions: 7.5" (dia) x 0.75" (h)				
Polarization: Horizontal				
Part Number: CS03-036-852*	Description: Ant-Slim Rnd Omni, SISO, 600-6G, 4.3-10(F)	Product Image: 		
Model Number: N/A	Gain (dBi): 2.5-5.5		Frequency Range: 600-6000	Connector Style: 4.3-10(F)
Dimensions: 7.5" (dia) x 0.4" (h)				
Polarization: Horizontal				
Part Number: 750-2023-001*	Description: Bracket, antenna PVC ceiling mount for CS03-036-852. This antenna bracket can only be ordered as a bundle. Not sold separately. See page 16 for more information.	Product Image: 		
Dimensions: 10.75" (dia) x 0.175" (h)				



*See Antenna and Mounting Bracket Bundles on page 16.




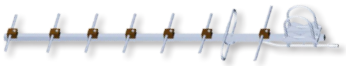

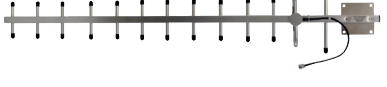
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Broadband Public Safety Antennas

Part Number: CS03-043-380	Description: Public Safety Antenna Ceiling Mount, Low Profile, UHF Indoor Omnidirectional, 380-4000 MHz, N(f)			Product Image: 
Model Number: N/A	Gain (dBi): 380-520: 2±1 698-960: 2±1 1710-2700: 4±1 3300-4000: 4±1	Frequency Range: 380-4000	Connector Style: N-TYPE(F)	
Dimensions: 11" (dia) x 0.74" (d)				
Polarization: Horizontal				
Part Number: CS03-045-380	Description: Public Safety Panel Mount, Indoor/Outdoor, Directional, 380-960 MHz, N(f)			Product Image: 
Model Number: N/A	Gain (dBi): 380-520: 3 698-960: 5	Frequency Range: 380-960	Connector Style: N-TYPE(F)	
Dimensions: 12.6" (h) x 7.7" (w) x 2.6" (d)				
Polarization: Vertical, Linear				

Outdoor Antennas

Part Number: CS03-024-836	Description: Yagi, 7dBi, VHF Band, (136-174 MHz). Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: Ant-AY-136-174, 6.5-7.5, N(F)	Gain (dBi): 7	Frequency Range: 136-174	Connector Style: N-TYPE(F)	
Dimensions: 35.25" (l) x 43.31" (w)				
Part Number: CS03-025-840	Description: Yagi, 11dBi, UHF Band, (406-512 MHz) Wind Load: 124 MPH. Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: ANT-DY450G11, N(F)	Gain (dBi): 11	Frequency Range: 406-512	Connector Style: N-TYPE(F)	
Dimensions: 54" (l) x 14" (w)				
Part Number: CS03-003-089	Description: Yagi, 11dB, SMR, Cellular Band, (806-960 MHz) Wind Load: 134 MPH. Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: CSI-AY, 806-960, 11	Gain (dBi): 11	Frequency Range: 806-960	Connector Style: N-TYPE(F)	
Dimensions: 37.5" (l) x 8.0" (w)				
Part Number: CS03-003-090	Description: Yagi, 14dB, SMR, Cellular Band, (806-960 MHz) Wind Load: 134 MPH. Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: CSI-AY, 806-960, 14	Gain (dBi): 14	Frequency Range: 806-960	Connector Style: N-TYPE(F)	
Dimensions: 54.3" (l) x 7.3" (w)				








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Outdoor Antennas (continued)

Part Number: CS03-003-427	Description: Yagi, 11dB, LTE 700 MHz (698-806 MHz) Wind Load: 134 MPH. Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: CSI-AY, 700-806, 11	Gain (dBi): 11	Frequency Range: 698-806	Connector Style: N-TYPE(F)	
Dimensions: 33.1" (l) x 7.3" (w)				
Part Number: CS03-003-430	Description: Yagi, 11 dB, Public Safety 700, 800 (746-896 MHz) Wind Load: 134 MPH. Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: CSI-AY, 746-896, 11	Gain (dBi): 11	Frequency Range: 746-896	Connector Style: N-TYPE(F)	
Dimensions: 33.1" (l) x 8" (w)				
Part Number: CS03-003-021	Description: Yagi 10 dBi, PCS Full Band (1710-1990 MHz). Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: CSI-AY, 1.85-1.99, 10	Gain (dBi): 10	Frequency Range: 1710-1990	Connector Style: N-TYPE(F)	
Dimensions: 26.69" (l) x 4.88" (w)				
Part Number: CS03-003-422	Description: Yagi 10 dBi, PCS, AWS Band (1710-2170 MHz). Anodized aluminum design with stainless-steel mounting hardware.			Product Image: 
Model Number: AY, 1710-2200, 10	Gain (dBi): 10	Frequency Range: 1710-2170	Connector Style: N-TYPE(F)	
Dimensions: 26.8" (l) x 4" (w)				
Part Number: CS03-777-999	Description: Panel Donor Antenna, Low-Band, 698-940, High Isolation Wind Load: 170 MPH			Product Image: 
Model Number: N/A	Gain (dBi): 698-806: 13±0.75 790-860: 14±0.75 860-940: 15±0.75	Frequency Range: 698-940	Connector Style: 4.3-10(F)	
Dimensions: 19.69" (h) x 19.69" (w) x 7.08" (d)				

Indoor, Outdoor High Gain Omni Antenna

Part Number: CS03-005-108	Description: Omni Dipole Dual Band, (806-960 & 1710-2500MHz)			Product Image: 
Model Number: CSI-AOD, 806, 2.5k, 3-4	Gain (dBi): 806-860 3 1710-2500 4	Frequency Range: 806-960 1710-2500	Connector Style: N-TYPE(F)	
Dimensions: 2.36" (dia) x 10.67" (h)				



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Diameter (dia), Height (h), Length (l), Width (w), Depth (d)

Antenna and Mounting Bracket Bundles

Part Number: CS03-011-429-BK	Description: CS03-011-429 Omnidirectional Antenna, -153 PIM, Quad Band (700-960, 1710-2700 MHz) w/Plenum Attached, and 750-2021-001 Ceiling Drywall Mounting Bracket.			Product Image: 
Polarization: Vertical Antenna Dimensions: 8" (dia) x 4.5" (h) Bracket Dimensions: 5.91" (w) x 5.75" (h)	Gain (dBi): 700-960 2 1710-2700 4	Frequency Range: 700-960 1710-2700	Connector Style: N-Type(f)	
Part Number: CS03-021-833/N-BK	Description: CS03-021-833/N Omnidirectional Antenna, Round Ultra Slim, -153 PIM (600-4000), and 750-2023-001 Ceiling PVC Mounting Bracket.			Product Image: 
Polarization: Horizontal Antenna Dimensions: 7.5" (dia) x 0.28" (h) Bracket Dimensions: 10.75" (dia) x 0.175" (h)	Gain (dBi): 3 - 4	Frequency Range: 600-960 1690-4000	Connector Style: N-Type(f)	
Part Number: CS03-036-852-BK	Description: CS03-036-852 UWB Omnidirectional Antenna D-600-6000/MIMO/-153/4.3-10, and 750-2023-001 Ceiling PVC Mounting Bracket.			Product Image: 
Polarization: Horizontal Antenna Dimensions: 7.5" (dia) x 0.75" (h) Bracket Dimensions: 10.75" (dia) x 0.175" (h)	Gain (dBi): 2.5-5.5	Frequency Range: 600-6000	Connector Style: 4.3-10(f)	



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