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Designer-Kits

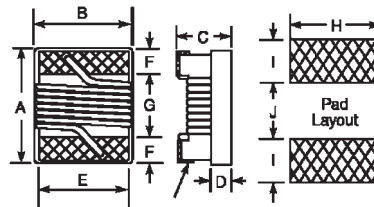
Serie	Part	Description	Techn. Details	Value	Price
Stelco 5508	5508 000 0100	Chip Inductor	Inductance : 2,8nH - 4,7µH 5% Tolerance	39 values (10 of each)	80 € / each
Stelco 5503	5503 000 0100	Chip Inductor	Inductance : 3,3nH - 18,0µH 5% Tolerance	41 values (10 of each)	80 € / each
Coilcraft 0805CS	Kit C103	Chip Inductor	Inductance : 2,8nH - 820nH 5% Tolerance	37 values (10 of each)	125 € / each
Coilcraft 1206CS	Kit C120	Chip Inductor	Inductance : 3,3nH - 1,2µH 5% Tolerance	31 values (10 of each)	110 € / each
Coilcraft Air Core	Kit C108	Micro Spring Air Core Inductors	Inductance : 1,65nH - 12,55nH 5 % Tolerance	9 values (12 of each)	60 € / each
Coilcraft Air Core	Kit C102	Mini Spring Air Core Inductors	Inductance : 2,5nH - 43nH 5 % Tolerance	10 values (12 of each)	60 € / each
Coilcraft Air Core	Kit C 118	Midi Spring Air Core Inductors	Inductance : 22nH - 120nH 5 % Tolerance	10 values (12 of each)	60 € / each
Coilcraft Air Core	Kit C 119	Maxi Spring Air Core Inductors	Inductance : 90nH - 558nH 5 % Tolerance	12 values (8 of each)	60 € / each
Coilcraft DO1608	Kit C177	Power Inductor	Inductance : 1,0µH - 1000µH 2,9 - 0,07 Amps	19 values (3 of each)	80 € / each
Coilcraft DO3316	Kit C178	Power Inductor	Inductance: 1,0µH - 1000µH 6,8 - 0,03 Amps	19 values (3 of each)	80 € / each
Coilcraft DO5022	Kit C111	Power Inductor	Inductance : 1,0µH - 1000µH 8,6 - 0,56 Amps	17 values (3 of each)	70 € / each
Coilcraft DS5022	Kit C117	Shielded Power Inductor	Inductance : 10µH - 1000µH 3,9 - 0,53 Amps	13 values (3 of each)	60 € / each


Stelco RF Inductors - 0805 Series (5508)
2,20 x 1,40 x 1,60 mm · VPE=3000

Part No.	Inductance nH	Tolerance	Q min.	Fres min. MHz	R _e max. mΩ	I _s max. mA
5508 027_4 00	2,7	20	20	6000	30	1000
5508 056_4 00	5,6	20/10	25	6000	40	900
5508 068_4 00	6,8	20,10	30	5500	50	800
5508 082_4 00	8,2	20	35	5000	60	700
5508 100_4 00	10	20,10,5	40	4500	60	700
5508 120_4 00	12	20,10,5	40	4000	60	700
5508 150_4 00	15	20,10,5	45	3500	70	670
5508 180_4 00	18	10,5	45	3300	70	670
5508 220_4 00	22	10,5	45	2600	90	600
5508 270_4 00	27	10,5	50	2500	90	600
5508 330_4 00	33	10,5	45	2150	120	520
5508 390_4 00	39	10,5	50	2050	100	560
5508 470_4 00	47	10,5,2	45	1900	130	500
5508 560_4 00	56	10,5,2	45	1700	140	480
5508 680_4 00	68	10,5,2	45	1550	190	410
5508 820_4 00	82	10,5,2	40	1430	210	390
5508 101_4 00	100	10,5,2	40	1310	260	350
5508 121_4 00	120	10,5,2	40	1210	440	270
5508 151_4 00	150	10,5,2	40	1120	440	270
5508 181_4 00	180	10,5,2	30	1030	470	260
5508 221_4 00	220	10,5,2	35	950	550	240
5508 271_4 00	270	10,5,2	35	870	1000	180
5508 331_4 00	330	10,5,2	35	800	1000	180
5508 391_4 00	390	10,5,2	35	730	1900	130
5508 471_4 00	470	10,5,2	35	660	2400	115
5508 561_4 00	560	10,5,2	35	600	3200	100
5508 681_4 00	680	10,5	35	550	3700	95
5508 821_4 00	820	10,5	35	510	5000	75
5508 102_4 00	1000	10,5,2	20	350	500	250
5508 122_4 00	1200	10,5,2	20	300	650	220
5508 152_4 00	1500	10,5,2	20	250	750	200
5508 182_4 00	1800	10,5,2	20	250	850	190
5508 222_4 00	2200	10,5,2	20	200	1700	130
5508 272_4 00	2700	10,5,2	20	200	2000	120
5508 332_4 00	3300	10,5,2	20	200	3300	100
5508 392_4 00	3900	10,5,2	20	150	3600	95
5508 472_4 00	4700	10,5,2	20	150	3800	90


Stelco RF Inductors - 1206 Series (5503)
3,40 x 1,73 x 1,53 mm · VPE=3000

Part No.	Inductance nH	Tolerance	Q min.	Fres min. MHz	R _e max. mΩ	I _s max. mA
5503 030_4 00	3,3	20,10	30	>5000	40	1000
5503 060_4 00	6,8	20,10	30	>5000	50	1000
5503 120_4 00	12	20,10	30	4000	80	1000
5503 150_4 00	15	20,10	30	3200	80	1000
5503 180_4 00	18	20,10,5,2	35	2800	80	1000
5503 220_4 00	22	20,10,5,2	35	2300	100	1000
5503 270_4 00	27	20,10,5,2	40	2000	110	1000
5503 330_4 00	33	20,10,5,2	40	1900	110	1000
5503 390_4 00	39	20,10,5,2	40	1800	130	1000
5503 470_4 00	47	20,10,5,2	40	1400	130	1000
5503 560_4 00	56	20,10,5,2	35	1400	230	840
5503 680_4 00	68	10,5,2	40	1300	230	570
5503 820_4 00	82	10,5,2	40	1200	210	660
5503 101_4 00	100	10,5,2	40	1100	230	660
5503 121_4 00	120	10,5,2	40	1000	290	570
5503 151_4 00	150	10,5,2	45	970	300	530
5503 181_4 00	180	10,5,2	35	880	400	450
5503 221_4 00	220	10,5,2	35	850	470	430
5503 271_4 00	270	10,5,2	35	800	500	420
5503 331_4 00	330	10,5,2	35	710	620	410
5503 391_4 00	390	10,5,2	35	650	820	410
5503 471_4 00	470	10,5,2	35	640	1100	290
5503 561_4 00	560	10,5,2	30	560	1300	280
5503 681_4 00	680	10,5,2	30	540	1500	270
5503 821_4 00	820	10,5,2	30	470	1800	260
5503 102_4 00	1000	10,5,2	30	450	2800	230
5503 122_4 00	1200	10,5,2	30	430	3200	220
5503 152_4 00	1500	10,5,2	25	260	1200	320
5503 182_4 00	1800	10,5,2	25	250	1200	320
5503 222_4 00	2200	10,5,2	25	240	1300	300
5503 272_4 00	2700	10,5,2	25	230	1400	300
5503 332_4 00	3300	10,5,2	25	200	1500	280
5503 392_4 00	3900	10,5,2	25	190	1900	280
5503 472_4 00	4700	10,5,2	25	170	2200	280
5503 562_4 00	5600	10,5,2	25	160	2400	260
5503 682_4 00	6800	10,5,2	25	150	2800	240
5503 822_4 00	8200	10,5,2	25	130	3100	220
5503 103_4 00	10000	10,5,2	25	120	4000	200
5503 123_4 00	12000	10,5,2	18	110	4600	200
5503 153_4 00	15000	10,5,2	16	100	8200	160
5503 183_4 00	18000	10,5,2	16	95	9000	130

Dimension RF Chip Inductors


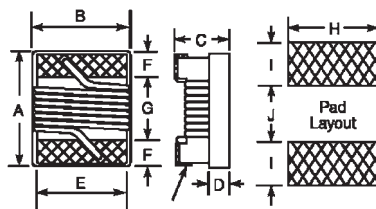
Size	Part No.		A max.	B max.	C max.	D Ref.	E	F	G	H	I	J
0805	5508	Stelco	inch	.086	.055	.062		.019	.047	.051	.051	.047
			mm	2,20	1,40	1,60		0,50	1,20	1,30	1,30	1,20
1206	5503	Stelco	inch	.133	.068	.059		.047	.086	.063	.021	.086
			mm	3,40	1,73	1,50		1,10	2,20	1,60	1,30	2,20

**Coilcraft RF Inductors - 0805CS (2012)**
2,29 x 1,73 x 1,52 mm · VPE=2000

Part No.	Inductance nH	Percent Tol.	Q min.	SRF min. MHz	R _e max. Ω	I _c max. mA	Color Code
0805CS-020X_L	2.8 @250 MHz	5	80 @1500MHz	12200	0.06	800	Gray
0805CS-3N0X_L	3.0 @250 MHz	5	65 @1500MHz	12200	0.06	800	White
0805CS-030X_BC	3.3 @250 MHz	20,10,5	50 @1500MHz	7900	.08	600	Black
0805CS-050X_L	5.6 @250 MHz	5	65 @1000MHz	5900	0.08	600	Orange
0805CS-060X_BC	6.8 @250 MHz	20,10,5	50 @1000MHz	5500	.11	600	Brown
0805CS-070X_L	7.5 @250 MHz	5	50 @1000MHz	4800	0.14	600	Green
0805CS-080X_BC	8.2 @250 MHz	20,10,5,2	50 @1000MHz	4700	.12	600	Red
0805CS-100X_L	10 @250 MHz	5,2	60 @500MHz	4300	0.10	600	Blue
0805CS-120X_BC	12 @250 MHz	20,10,5,2	50 @500MHz	4000	.15	600	Orange
0805CS-150X_BC	15 @250 MHz	20,10,5,2	50 @500MHz	3400	.17	600	Yellow
0805CS-180X_BC	18 @250 MHz	20,10,5,2	50 @500MHz	3300	.20	600	Green
0805CS-220X_BC	22 @250 MHz	20,10,5,2	55 @500MHz	2600	.22	500	Blue
0805CS-240X_L	24 @250 MHz	5,2	50 @500MHz	2400	0.22	500	Gray
0805CS-270X_BC	27 @250 MHz	20,10,5,2	55 @500MHz	2500	.25	500	Violet
0805CS-330X_BC	33 @250 MHz	20,10,5,2	60 @500MHz	2050	.27	500	Grey
0805CS-360X_L	36 @250 MHz	5,2,1	55 @500MHz	1900	0.27	500	Orange
0805CS-390X_BC	39 @250 MHz	20,10,5,2	60 @500MHz	2000	.29	500	White
0805CS-430X_BC	43 @200 MHz	5,2,1	60 @500MHz	1800	0.34	500	Yellow
0805CS-470X_BC	47 @200 MHz	20,10,5,2	60 @500MHz	1650	.31	500	Black
0805CS-560X_BC	56 @200 MHz	10,5,2,1	60 @500MHz	1550	.34	500	Brown
0805CS-680X_BC	68 @200 MHz	10,5,2,1	60 @500MHz	1450	.38	500	Red
0805CS-820X_BC	82 @150 MHz	10,5,2,1	65 @500MHz	1300	.42	400	Orange
0805CS-910X_L	91 @150 MHz	5,2,1	65 @500MHz	1330	0.48	400	Black
0805CS-101X_BC	100 @150 MHz	10,5,2,1	65 @500MHz	1200	.46	400	Yellow
0805CS-111X_L	110 @150 MHz	5,2	50 @250MHz	1100	0.48	400	Brown
0805CS-121X_BC	120 @150 MHz	10,5,2,1	50 @250MHz	1100	.51	400	Green
0805CS-151X_BC	150 @100 MHz	10,5,2,1	50 @250MHz	920	.56	400	Blue
0805CS-181X_BC	180 @100 MHz	10,5,2,1	50 @250MHz	870	.64	400	Violet
0805CS-221X_BC	220 @100 MHz	10,5,2	50 @250MHz	850	.70	400	Grey
0805CS-241X_L	240 @100 MHz	5,2	44 @250MHz	770	1.00	350	Red
0805CS-271X_BC	270 @100 MHz	10,5,2	48 @250MHz	650	1.0	350	White
0805CS-331X_BC	330 @100 MHz	10,5,2	48 @250MHz	600	1.4	310	Black
0805CS-391X_BC	390 @100 MHz	10,5,2	48 @250MHz	560	1.5	290	Brown
0805CS-471X_BC	470 @50 MHz	10,5	33 @100MHz	375	1.76	250	Violet
0805CS-561X_BC	560 @25 MHz	10,5	23 @50 MHz	340	1.90	230	Orange
0805CS-681X_BC	680 @25 MHz	10,5	23 @50 MHz	188	2.20	190	Green
0805CS-821X_BC	820 @25 MHz	10,5	23 @50 MHz	215	2.35	180	Blue

**Coilcraft RF Inductors - 1206 CS Series (3216)**
3,50 x 2,16 x 1,52 mm · VPE=2000

Part No.	Inductance nH	Percent Tolerance	Q min.	SRF min. MHz	R _e max. Ω	I _c max. mA
1206CS-030X_BC	3.3 @ 100 MHz	20,10,5	30 @ 300MHz	6200	.050	1000
1206CS-060X_BC	6.8 @ 100 MHz	20,10,5	30 @ 300MHz	5500	.070	1000
1206CS-100X_BC	10 @ 100 MHz	20,10,5	40 @ 300MHz	4000	.080	1000
1206CS-120X_BC	12 @ 100 MHz	20,10,5	40 @ 300MHz	3200	.080	1000
1206CS-150X_BC	15 @ 100 MHz	20,10,5	40 @ 300MHz	3200	.100	1000
1206CS-180X_BC	18 @ 100 MHz	20,10,5,2	50 @ 300MHz	2800	.100	1000
1206CS-220X_BC	22 @ 100 MHz	20,10,5,2	50 @ 300MHz	2200	.100	1000
1206CS-270X_BC	27 @ 100 MHz	20,10,5,2	50 @ 300MHz	1800	.110	1000
1206CS-330X_BC	33 @ 100 MHz	20,10,5,2	55 @ 300MHz	1800	.110	1000
1206CS-390X_BC	39 @ 100 MHz	20,10,5,2	55 @ 300MHz	1800	.120	1000
1206CS-470X_BC	47 @ 100 MHz	20,10,5,2	55 @ 300MHz	1500	.130	1000
1206CS-560X_BC	56 @ 100 MHz	20,10,5,2,1	55 @ 300MHz	1450	.140	1000
1206CS-680X_BC	68 @ 100 MHz	20,10,5,2,1	55 @ 300MHz	1200	.260	900
1206CS-820X_BC	82 @ 100 MHz	20,10,5,2,1	55 @ 300MHz	1200	.210	900
1206CS-101X_BC	100 @ 100 MHz	20,10,5,2,1	55 @ 300MHz	1100	.260	850
1206CS-121X_BC	120 @ 100 MHz	20,10,5,2,1	60 @ 300MHz	1100	.260	800
1206CS-151X_BC	150 @ 100 MHz	20,10,5,2,1	60 @ 300MHz	950	.310	750
1206CS-181X_BC	180 @ 50 MHz	20,10,5,2,1	60 @ 300MHz	900	.430	700
1206CS-221X_BC	220 @ 50 MHz	20,10,5,2,1	60 @ 300MHz	760	.500	670
1206CS-271X_BC	270 @ 50 MHz	20,10,5,2,1	55 @ 300MHz	700	.560	630
1206CS-331X_BC	330 @ 50 MHz	20,10,5,2,1	45 @ 150MHz	650	.620	590
1206CS-391X_BC	390 @ 50 MHz	20,10,5,2,1	45 @ 150MHz	600	.750	530
1206CS-471X_BC	470 @ 50 MHz	20,10,5,2,1	45 @ 150MHz	550	1.30	490
1206CS-561X_BC	560 @ 35 MHz	20,10,5,2,1	45 @ 150MHz	470	1.34	460
1206CS-621X_L	620 @ 35 MHz	5,2,1	45 @ 150MHz	470	1.58	460
1206CS-681X_BC	680 @ 35 MHz	20,10,5,2,1	45 @ 150MHz	450	1.58	430
1206CS-751X_L	750 @ 35 MHz	5,2,1	45 @ 150MHz	440	2.25	320
1206CS-821X_BC	820 @ 35 MHz	20,10,5,2,1	45 @ 150MHz	420	1.82	400
1206CS-911X_L	910 @ 35 MHz	5,2,1	45 @ 150MHz	410	2.95	310
1206CS-102X_BC	1000 @ 35 MHz	20,10,5,2,1	45 @ 150MHz	400	2.80	320
1206CS-122X_BC	1200 @ 35 MHz	20,10,5,2,1	45 @ 150MHz	380	3.20	300

Dimension RF Chip Inductors

Size	Part No.		A max.	B max.	C max.	D Ref.	E	F	G	H	I	J	
0805	0805CS	Coilcraft	inch	.090	.068	.060	.020	.050	.020	.040	.070	.040	.030
			mm	2,29	1,73	1,52	0,51	1,27	0,51	1,02	1,78	1,02	0,76
1206	1206CS	Coilcraft	inch	.140	.085	.060	.020	.056	.020	.080	.076	.040	.070
			mm	3,56	2,16	1,52	0,51	1,42	0,51	2,03	1,93	1,02	1,78


Coilcraft „Micro Spring“ Air Core Inductors
 2,21 x 1,42 x 1,37 mm · VPE=500

Part No.	Turns	Inductance nH	Percent Tolerance	Q min.	Test Freq. MHz	SRF min. GHZ	R _{DC} max. mΩ	I _{DC} max. A
0906-2_	2	1.65	10	100	800	10.0	4.0	1.6
0906-3_	3	2.55	10,5	100	800	8.2	5.0	1.6
0906-4_	4	3.85	10,5	100	800	7.5	6.0	1.6
0906-5_	5	5.45	5,2	100	800	7.0	8.0	1.6
1606-6_	6	5.60	5,2	100	800	6.5	9.0	1.6
1606-7_	7	7.15	5,2	100	800	6.0	10	1.6
1606-8_	8	8.80	5,2	100	800	6.0	12	1.6
1606-9_	9	9.85	5,2	100	800	5.2	13	1.6
1606-10_	10	12.55	5,2	100	800	4.6	14	1.6


Coilcraft „Midi Spring“ Air Core Inductors
 4,95 max x 3,18 max x 4,20 max mm · VPE=500

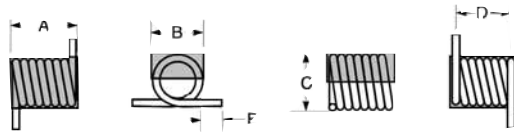
Part No.	Inductance μH	Percent Tolerance	Q Typ	Q min.	Test Freq. MHz	SRF min. GHZ	R _{DC} max. mΩ	I _{DC} max. A
1812SMS-22N_	22	5,2	135	100	150	3.2	4.2	3.0
1812SMS-27N_	27	5,2	135	100	150	2.7	4.0	3.5
1812SMS-33N_	33	5,2	130	100	150	2.5	4.8	3.0
1812SMS-39N_	39	5,2	135	100	150	2.1	4.4	3.0
1812SMS-47N_	47	5,2	135	100	150	2.1	5.6	3.0
1812SMS-56N_	56	5,2	125	100	150	1.5	6.2	3.0
1812SMS-68N_	68	5,2	120	100	150	1.5	8.2	2.5
1812SMS-82N_	82	5,2	120	100	150	1.3	9.4	2.5
1812SMS-R10_	100	5,2	115	100	150	1.2	12.3	1.7
1812SMS-R12_	120	5,2	125	100	150	1.1	17.3	1.5


Coilcraft „Mini Spring“ Air Core Inductors
 3,68 x 3,05 x 3,18 mm · VPE=700/500

Part No.	Turns	Inductance nH	Percent Tolerance	Q min.	Test Freq. MHz	SRF min. GHZ	R _{DC} max. mΩ	I _{DC} max. A
A01T_	1	2.5	10	145	150	12.5	1.1	4
A02T_	2	5.0	10,5	140	150	6.5	1.8	4
A03T_	3	8.0	5,2	140	150	5.0	2.6	4
A04T_	4	12.5	5,2	137	150	3.3	3.4	4
A05T_	5	18.5	5,2	132	150	2.5	3.9	4
B06T_	6	17.5	5,2	100	150	2.2	4.5	4
B07T_	7	22.0	5,2	102	150	2.1	5.2	4
B08T_	8	28.0	5,2	105	150	1.8	6.0	4
B09T_	9	35.5	5,2	112	150	1.5	6.8	4
B10T_	10	43.0	5,2	106	150	1.2	7.9	4


Coilcraft „Maxi Spring“ Air Core Inductors
 10,55 max x 6,35 max x 5,97 max mm · VPE=800

Part No.	Turns	Inductance μH	Percent Tolerance	Q Typ	Q min.	Test Freq. MHz	SRF min. MHz	R _{DC} max. mΩ	I _{DC} max. A
132-09SM_	9	90	5,2	114	95	50	1140	15	3.5
132-10SM_	10	111	5,2	104	87	50	1020	15	3.5
132-11SM_	11	130	5,2	104	87	50	900	20	3.0
132-12SM_	12	169	5,2	114	95	50	875	25	3.0
132-13SM_	13	206	5,2	114	95	50	800	30	3.0
132-14SM_	14	222	5,2	110	92	50	730	35	3.0
132-15SM_	15	246	5,2	114	95	50	685	35	3.0
132-16SM_	16	307	5,2	114	95	50	660	35	3.0
132-17SM_	17	380	5,2	114	95	50	590	50	2.5
132-18SM_	18	422	5,2	114	95	50	540	60	2.5
132-19SM_	19	491	5,2	114	95	50	535	65	2.0
132-20SM_	20	538	5,2	104	87	50	490	90	2.0

Dimensions


Series	A	B	C	D	E
Coilcraft 0906	2,21 ± 0,25	1,42 ± 0,13	1,37 ± 0,15	1,83 ± 0,25	0,89 ± 0,25
Coilcraft 1606	4,04 ± 0,30	1,42 ± 0,13	1,37 ± 0,15	3,66 ± 0,30	0,89 ± 0,25
Coilcraft Axot	3,68	3,05	3,18	2,92 ± 0,25	0,58 ± 0,38
Coilcraft Bxot	6,86	3,05	3,18	5,84 ± 0,25	0,58 ± 0,38
Coilcraft 1812	4,95	3,81	4,20	4,32 ± 0,39	1,53 ± 0,39
Coilcraft 132	10,55	6,35	5,97	7,98 ± 0,51	1,27 ± 0,39

Dimension in mm

**Coilcraft SMD Power Inductors - DO 1608C Series**
6,60 x 4,45 x 2,92 mm · VPE=750

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-102	1,0	0,050	2,90
-152	1,5	0,060	2,80
-222	2,2	0,070	2,40
-332	3,3	0,080	2,00
-272	2,7	0,080	2,10
-472	4,7	0,090	1,50
-682	6,8	0,130	1,40
-822	8,2	0,160	1,30
-103	10	0,160	1,20
-153	15	0,230	1,10
-223	22	0,370	0,80
-333	33	0,510	0,60
-473	47	0,640	0,50
-683	68	0,860	0,40
-104	100	1,270	0,30
-154	150	2,000	0,25
-224	220	3,110	0,20
-334	330	3,800	0,16
-474	470	5,060	0,15
-684	680	9,200	0,12
-105	1000	13,80	0,07

**Coilcraft SMD Power Inductors - DT 3316P Series**
12,95 x 9,40 x 5,21 mm · VPE=1000

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-102	1,0	0,025	4,00
-152	1,5	0,030	4,00
-222	2,2	0,035	4,00
-332	3,3	0,040	4,00
-472	4,7	0,045	3,00
-682	6,8	0,050	2,50
-103	10	0,055	2,00
-153	15	0,060	1,80
-223	22	0,084	1,50
-333	33	0,090	1,30
-473	47	0,110	1,00
-683	68	0,150	0,90
-104	100	0,290	0,80
-154	150	0,360	0,60
-224	220	0,390	0,50
-334	330	0,730	0,40
-474	470	0,880	0,35
-684	680	1,150	0,30
-105	1000	1,450	0,25

**Coilcraft SMD Power Inductors - DT 1608C Series**
6,60 x 4,45 x 2,92 mm · VPE=750

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-102	1,0	0,065	2,00
-152	1,5	6,070	1,90
-222	2,2	0,075	1,50
-332	3,3	0,087	1,20
-472	4,7	0,085	1,20
-682	6,8	0,090	1,00
-103	10	0,125	0,70
-153	15	0,135	0,60
-223	22	0,160	0,50
-333	33	0,275	0,45
-473	47	0,300	0,34
-683	68	0,575	0,29
-104	100	1,100	0,24
-154	150	1,400	0,20
-224	220	2,250	0,17
-334	330	2,900	0,16
-474	470	3,600	0,14
-684	680	4,550	0,12
-105	1000	8,100	0,08

**Coilcraft SMD Power Inductors - DO 5022P Series**
18,54 x 15,24 x 7,11 mm · VPE=250

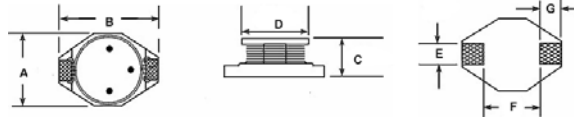
Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-102	1,0	0,009	8,6
-222	2,2	0,014	7,1
-332	3,3	0,018	6,2
-562	5,6	0,020	5,3
-822	8,2	0,029	4,8
-103	10	0,031	4,3
-153	15	0,036	4,0
-223	22	0,047	3,5
-333	33	0,066	3,0
-473	47	0,086	2,6
-683	68	0,13	2,3
-104	100	0,19	1,8
-154	150	0,25	1,5
-224	220	0,38	1,2
-334	330	0,56	1,0
-474	470	0,85	0,82
-684	680	1,1	0,72
-105	1000	1,8	0,56

**Coilcraft SMD Power Inductors - DO 3316P Series**
12,95 x 9,40 x 5,21 mm · VPE=1000

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-102	1,0	0,009	6,8
-152	1,5	0,010	6,4
-222	2,2	0,012	6,1
-332	3,3	0,015	5,4
-472	4,7	0,018	4,8
-682	6,8	0,027	4,4
-103	10	0,038	3,9
-153	15	0,046	3,1
-223	22	0,085	2,7
-333	33	0,100	2,1
-473	47	0,140	1,8
-683	68	0,200	1,5
-104	100	0,280	1,3
-154	150	0,400	1,0
-224	220	0,610	0,8
-334	330	1,020	0,6
-474	470	1,270	0,5
-684	680	2,020	0,4
-105	1000	3,000	0,3

**Coilcraft SMD Power Inductors - DS 5022P Series**
18,54 x 15,24 x 7,11 mm · VPE=250

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-102	10	0,016	6,50
-103	10	0,04	3,90
-153	15	0,048	3,40
-222	22	0,023	5,00
-223	22	0,059	3,10
-332	33	0,026	4,70
-333	33	0,075	2,80
-473	47	0,097	2,40
-683	68	0,138	2,00
-104	100	0,207	1,70
-154	150	0,293	1,30
-224	220	0,47	1,10
-274	270	0,64	0,95
-334	330	0,78	0,86
-472	470	0,028	4,40
-474	470	1,08	0,73
-562	560	0,030	4,10
-684	680	1,40	0,64
-824	820	1,70	0,58
-105	1000	2,01	0,53

Dimensions


Size	Part No.	A	B	C	D	E	F	G
Coilcraft	D01608	4,45	6,60	2,92	3,94	1,27	4,32	1,02
Coilcraft	DT1608	4,45	6,60	2,92	4,06	1,27	4,32	1,02
Coilcraft	D03316	9,40	12,95	5,21	8,38	2,54	7,62	2,54
Coilcraft	DT3316	9,40	12,95	5,08	8,38	2,54	7,62	2,54
Coilcraft	D05022	15,24	18,54	7,11	12,70	2,54	12,70	2,54
Coilcraft	DS5022	15,24	18,54	7,62	12,70	2,54	12,70	2,54

Dimension in mm


Sumida SMD Power Inductors - CR 43 Series
4,50 x 4,00 x 3,20 mm · VPE=2000

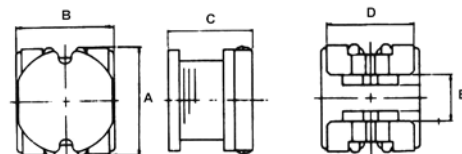
Part No.	Inductance $\mu\text{H} \pm 20\%/10\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-1R0	1,0	0,048	2,56
-1R4	1,4	0,056	2,52
-1R8	1,8	0,063	1,95
-2R2	2,2	0,071	1,75
-2R7	2,7	0,078	1,58
-3R3	3,3	0,086	1,44
-3R9	3,9	0,094	1,33
-4R7	4,7	0,109	1,15
-5R6	5,6	0,125	0,99
-6R8	6,8	0,131	0,95
-8R2	8,2	0,146	0,84
-100	10	0,182	1,04
-120	12	0,210	0,97
-150	15	0,235	0,85
-180	18	0,338	0,74
-220	22	0,378	0,68
-270	27	0,522	0,62
-330	33	0,540	0,56
-390	39	0,587	0,52
-470	47	0,844	0,44
-560	56	0,937	0,42
-680	68	1,112	0,37


Sumida SMD Power Inductors - CR 75 Series
7,00 x 7,80 x 5,00 mm · VPE=500

Part No.	Inductance $\mu\text{H} \pm 10\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-1R2	1,2	0,015	6,00
-1R5	1,5	0,017	5,50
-2R2	2,2	0,020	4,50
-2R7	2,7	0,022	4,20
-3R3	3,3	0,025	3,70
-3R9	3,9	0,027	3,50
-4R7	4,7	0,030	3,10
-5R6	5,6	0,033	2,80
-6R8	6,8	0,036	2,70
-8R2	8,2	0,042	2,50
-100	10	0,07	2,30
-120	12	0,08	2,00
-150	15	0,09	1,80
-180	18	0,10	1,60
-220	22	0,11	1,50
-270	27	0,12	1,30
-330	33	0,13	1,20
-390	39	0,16	1,10
-470	47	0,18	1,10
-560	56	0,24	0,94
-680	68	0,28	0,85
-820	82	0,37	0,78
-101	100	0,43	0,72
-121	120	0,47	0,66
-151	150	0,64	0,58
-181	180	0,71	0,51
-221	220	0,96	0,49
-271	270	1,11	0,42
-331	330	1,26	0,40
-391	390	1,77	0,36
-471	470	1,96	0,34


Sumida SMD Power Inductors - CR 54 Series
5,30 x 5,80 x 4,50 mm · VPE=1500

Part No.	Inductance $\mu\text{H} \pm 20\%/15\%/10\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-2R2	2,2	0,023	3,84
-2R7	2,7	0,026	3,44
-3R3	3,3	0,028	3,20
-3R9	3,9	0,035	3,80
-4R4	4,4	0,039	2,80
-5R0	5,0	0,44	2,60
-5R6	5,6	0,049	2,48
-6R4	6,4	0,052	2,20
-7R6	7,6	0,062	2,68
-8R2	8,2	0,068	1,84
-100	10	0,10	1,44
-120	12	0,12	1,40
-150	15	0,14	1,30
-180	18	0,15	1,23
-220	22	0,18	1,11
-270	27	0,20	0,97
-330	33	0,23	0,88
-390	39	0,32	0,80
-470	47	0,37	0,72
-560	56	0,42	0,68
-680	68	0,46	0,61
-820	82	0,60	0,58
-101	100	0,70	0,52
-121	120	0,93	0,48
-151	150	1,10	0,40
-181	180	1,38	0,38
-221	220	1,57	0,35

Dimensions


		A	B	C	D	E
Sumida	CR43	4,3 max.	4,3 max.	3,45 max.	3,4	2,1
Sumida	CR54	5,8	5,3	4,5	4,7	2,5
Sumida	CR75	7,8	7,0	5,0	4,7	4,3

Dimension in mm

**Sumida SMD Power Inductors - CDRH 74 Series**
7,30 x 7,30 x 4,50 mm (Case A) - VPE=1000

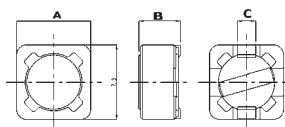
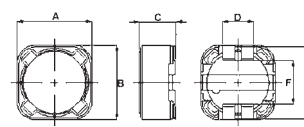
Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-100	10	49m	1,84
-120	12	58m	1,71
-150	15	81m	1,47
-180	18	91m	1,31
-220	22	0,11	1,23
-270	27	0,15	1,12
-330	33	0,17	0,96
-390	39	0,23	0,91
-470	47	0,26	0,88
-560	56	0,35	0,75
-680	68	0,38	0,69
-820	82	0,43	0,61
-101	100	0,61	0,60
-121	120	0,66	0,52
-151	150	0,88	0,46
-181	180	0,98	0,42
-221	220	1,17	0,36
-271	270	1,64	0,34
-331	330	1,86	0,32
-391	390	2,85	0,29
-471	470	3,01	0,26
-561	560	3,62	0,23
-681	680	4,63	0,22
-821	820	5,20	0,20
-102	1000	6,00	0,18

**Sumida SMD Power Inductors - CDRH 127 Series**
12,00 x 12,00 x 8,00 mm (Case B) - VPE=500

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-1R2	1,2	7,0m	9,80
-2R4	2,4	11,5m	8,00
-3R5	3,5	13,5m	7,50
-4R7	4,7	15,8m	6,80
-6R1	6,1	17,6m	6,60
-7R6	7,6	20,0m	5,90
-100	10	21,6m	5,40
-120	12	24,3m	4,90
-150	15	27,0m	4,50
-180	18	39,2m	3,90
-220	22	43,2m	3,60
-270	27	45,9m	3,40
-330	33	64,8m	3,00
-390	39	72,9m	2,75
-470	47	0,10	2,50
-560	56	0,11*	2,35*
-680	68	0,14*	2,10*
-820	82	0,16*	1,95*
-101	100	0,22*	1,70*
-121	120	0,25*	1,60*
-151	150	0,28*	1,42*
-181	180	0,35*	1,30*
-221	220	0,39*	1,16*
-271	270	0,56*	1,06*
-331	330	0,64*	0,95*
-391	390	0,70*	0,88*
-471	470	0,98*	0,79*
-561	560	1,07*	0,73*
-681	680	1,46*	0,67*
-821	820	1,64*	0,60*
-102	1000	1,82*	0,55*

**Sumida SMD Power Inductors - CDRH 125 Series**
12,00 x 12,00 x 6,00 mm (Case B) - VPE=500

Part No.	Inductance $\mu\text{H} \pm 20\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
1R3	1.3	12m	8.00
2R1	2.1	14m	7.00
3R1	3.1	17m	6.00
4R4	4.4	20m	5.00
5R8	5.8	21m	4.40
7R5	7.5	24m	4.20
100	10	25m	4.00
120	12	27m	3.50
150	15	30m	3.30
180	18	34m	3.00
220	22	36m	2.80
270	27	51m	2.30
330	33	57m	2.10
390	39	68m	2.00
470	47	75m	1.80
560	56	0,11	1,70
680	68	0,12	1,50
820	82	0,14	1,40
101	100	0,16	1,30
121	120	0,17	1,10
151	150	0,23	1,00
181	180	0,29	0,90
221	220	0,40	0,80
271	270	0,46	0,75
331	330	0,51	0,68
391	390	0,69	0,65
471	470	0,77	0,58
561	560	0,86	0,54
681	680	1,20	0,48
821	820	1,34	0,43
102	1000	1,53	0,40

Dimensions**(Case A)****(Case B)**

	Case	A	B	C	D	E	F
Sumida	CDRH74	A	7,3 ± 0,2	7,3 ± 0,2	4,5 max.		
Sumida	CDRH125	B	12,0 ± 0,3	12,0 ± 0,3	6,0 max.	5,0	11,8 ± 0,2
Sumida	CDRH127	B	12,0 ± 0,2	12,0 ± 0,2	8,0 max.	5,0 ± 0,2	12,0 ± 0,2

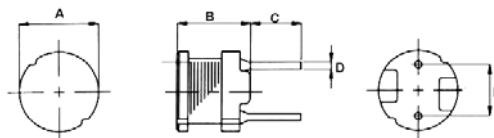
Dimension in mm


Sumida Power Inductor (Pin Type) - RCH 875 Series
 $\varnothing=7,80\text{ mm}$ $H=7,50\text{ mm}$ $RM=5,00\text{ mm}$

Part No.	Inductance $\mu\text{H} \pm 20\% / 10\%$	Inductance Ω	Permissible Current A
-100	10	0,05	2,90
-120	12	0,06	2,50
-150	15	0,07	2,20
-180	18	0,08	1,90
-220	22	0,09	1,80
-270	27	0,11	1,70
-330	33	0,13	1,50
-390	39	0,14	1,30
-470	47	0,15	1,30
-560	56	0,18	1,20
-680	68	0,20	1,10
-820	82	0,24	1,00
-101	100	0,28	0,89
-121	120	0,36	0,81
-151	150	0,42	0,72
-181	180	0,57	0,66
-221	220	0,63	0,57
-271	270	0,88	0,51
-331	330	1,05	0,46
-391	390	1,17	0,44
-471	470	1,34	0,41
-561	560	1,72	0,36
-681	680	1,96	0,33
-821	820	2,56	0,30
-102	1000	2,94	0,27
-122	1200	4,04	0,24
-152	1500	4,70	0,22
-182	1800	5,05	0,20
-222	2200	6,25	0,18
-272	2700	8,72	0,16
-332	3300	10,6	0,15
-392	3900	14,2	0,14
-472	4700	16,7	0,12
-562	5600	18,7	0,11
-682	6800	21,8	0,10
-822	8200	28,7	93m
-103	10000	33,0	84m


Sumida Power Inductor (Pin Type) - RCH 895 Series
 $\varnothing=7,80\text{ mm}$ $H=9,50\text{ mm}$ $RM=5,00\text{ mm}$

Part No.	Inductance $\mu\text{H} \pm 20\% / 10\%$	D.C.R. (max.) Ω	Permissible D.C. Current A
-100	10	0,04	2,60
-120	12	0,04	2,60
-150	15	0,05	2,10
-180	18	0,05	2,00
-220	22	0,06	1,70
-270	27	0,06	1,60
-330	33	0,07	1,40
-390	39	0,08	1,40
-470	47	0,10	1,30
-560	56	0,11	1,20
-680	68	0,14	1,10
-820	82	0,16	1,00
-101	100	0,19	0,90
-121	120	0,22	0,82
-151	150	0,27	0,74
-181	180	0,31	0,71
-221	220	0,38	0,64
-271	270	0,53	0,57
-331	330	0,61	0,51
-391	390	0,69	0,48
-471	470	0,89	0,43
-561	560	1,01	0,40
-681	680	1,18	0,35
-821	820	1,57	0,32
-102	1000	1,84	0,30
-122	1200	2,10	0,27
-152	1500	2,80	0,23
-182	1800	3,21	0,21
-222	2200	4,21	0,19
-272	2700	4,94	0,17
-332	3300	6,16	0,15
-392	3900	6,84	0,14
-472	4700	7,89	0,13
-562	5600	11,5	0,12
-682	6800	13,2	0,11
-822	8200	15,2	0,10
-103	10000	22,0	89m
-123	12000	25,0	73m
-153	15000	29,1	68m
-183	18000	38,9	66m
-223	22000	44,9	59m
-273	27000	55,7	52m
-333	33000	64,2	48m
-393	39000	74,2	42m
-473	47000	96,4	38m

Dimensions


		A	B	C	D	E
Sumida	RCH 865	$\Delta 7,8 \pm 0,5$	5,5 max.	$5,0 \pm 1,0$	$\Delta 0,7 +0,1/-0,05$	$5,0 \pm 0,3$
Sumida	RCH 875	$\Delta 7,8 \pm 0,5$	7,5 max.	$5,0 \pm 1,0$	$\Delta 0,7 +0,1/-0,05$	$5,0 \pm 0,3$
Sumida	RCH 895	$\Delta 7,8 \pm 0,5$	9,5 max.	$5,0 \pm 1,0$	$\Delta 0,7 +0,1/-0,05$	$5,0 \pm 0,3$
Sumida	RCR-875D	$\Delta 7,8 \pm 0,5$	7,5 max.	$5,0 \pm 1,0$	$\Delta 0,7 +0,1/-0,05$	$5,0 \pm 0,3$

Dimension in mm

**Renco Power Line Chokes - RL 1256-1 Series**
16,7 x 21,3 mm

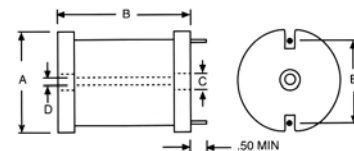
Part Number	Inductance At 0 DC $\mu\text{H} \pm 10\%$	Max. DCR Ω	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx
-1.0	1.0	0.003	87.0	9.0	.550
-1.2	1.2	0.003	68.0	9.0	.550
-1.5	1.5	0.004	56.0	9.0	.550
-1.8	1.8	0.004	56.0	9.0	.550
-2.2	2.2	0.005	47.0	9.0	.550
-2.7	2.7	0.005	47.0	9.0	.550
-3.3	3.3	0.005	40.0	9.0	.550
-3.9	3.9	0.006	36.0	9.0	.550
-4.7	4.7	0.007	32.0	9.0	.550
-5.6	5.6	0.007	29.0	9.0	.550
-6.8	6.8	0.008	26.0	9.0	.550
-8.2	8.2	0.009	24.5	9.0	.550
-10	10.0	0.010	21.2	9.0	.550
-12	12.0	0.011	19.0	9.0	.550
-15	15.0	0.015	17.5	7.2	.500
-18	18.0	0.016	16.5	7.2	.500
-22	22.0	0.025	15.8	5.5	.500
-27	27.0	0.030	14.4	4.5	.500
-33	33.0	0.040	13.2	4.0	.406
-39	39.0	0.046	11.8	4.0	.469
-47	47.0	0.062	11.0	2.8	.469
-56	56.0	0.069	10.0	2.8	.485
-68	68.0	0.077	8.9	2.8	.500
-82	82.0	0.083	8.2	2.8	.500
-100	100.0	0.095	7.5	2.8	.500
-120	120.0	0.127	5.8	2.0	.480
-150	150.0	0.181	5.6	1.6	.480
-180	180.0	0.217	5.1	1.6	.480
-220	220.0	0.240	4.3	1.6	.480
-270	270.0	0.300	4.1	1.6	.480
-330	330.0	0.336	3.8	1.3	.480
-390	390.0	0.460	3.3	1.0	.480
-470	470.0	0.636	3.2	0.8	.450
-560	560.0	0.696	2.9	0.8	.450

**Renco Power Line Chokes - RL 1256-2 Series**
21,0 x 21,3 mm

Part Number	Inductance At 0 DC $\mu\text{H} \pm 10\%$	Max. DCR Ω	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx
-1.0	1.0	0.003	108.0	11.4	.620
-1.2	1.2	0.003	108.0	11.4	.620
-1.5	1.5	0.003	83.0	11.4	.620
-1.8	1.8	0.003	68.0	11.4	.620
-2.2	2.2	0.004	68.0	11.4	.620
-2.7	2.7	0.005	58.0	11.4	.620
-3.3	3.3	0.005	58.0	11.4	.620
-3.9	3.9	0.005	50.0	11.4	.620
-4.7	4.7	0.005	50.0	11.4	.620
-5.6	5.6	0.006	44.0	11.4	.620
-6.8	6.8	0.007	39.0	11.4	.620
-8.2	8.2	0.007	36.0	11.4	.620
-10	10.0	0.009	30.0	11.4	.620
-12	12.0	0.009	27.0	11.4	.620
-15	15.0	0.013	25.0	9.0	.625
-18	18.0	0.018	22.0	7.2	.630
-22	22.0	0.019	21.0	7.2	.630
-27	27.0	0.026	20.5	5.5	.546
-33	33.0	0.029	18.6	5.5	.546
-39	39.0	0.030	17.0	5.5	.594
-47	47.0	0.035	15.1	5.5	.625
-56	56.0	0.039	13.6	5.5	.625
-68	68.0	0.053	12.7	4.8	.656
-82	82.0	0.060	11.3	4.8	.656
-100	100.0	0.080	10.4	4.0	.593
-120	120.0	0.090	9.4	4.0	.593
-150	150.0	0.098	8.6	4.0	.593
-180	180.0	0.110	7.8	4.0	.671
-220	220.0	0.150	7.0	2.8	.593
-270	270.0	0.213	6.3	2.0	.562
-330	330.0	0.305	5.2	1.6	.590
-390	390.0	0.320	4.9	1.6	.590
-470	470.0	0.355	4.5	1.6	.590
-560	560.0	0.388	4.1	1.6	.590
-680	680.0	0.430	3.7	1.6	.590
-820	820.0	0.590	3.4	1.3	.590
-1000	1000.0	0.818	3.1	1.0	.590
-1200	1200.0	1.14	2.7	0.8	.590
-1500	1500.0	1.26	2.4	0.8	.590
-1800	1800.0	1.39	2.2	0.8	.590
-2200	2200.0	1.54	2.0	0.8	.590

**Renco Power Line Chokes - RL 1256-3 Series**
27,9 x 21,3 mm

Part Number	Inductance At 0 DC $\mu\text{H} \pm 10\%$	Max. DCR Ω	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx
-1.0	1.0	0.003	116.0	21.0	.800
-1.2	1.2	0.003	116.0	21.0	.800
-1.5	1.5	0.003	116.0	21.0	.800
-1.8	1.8	0.003	90.0	21.0	.800
-2.2	2.2	0.003	90.0	21.0	.800
-2.7	2.7	0.003	74.0	21.0	.800
-3.3	3.3	0.003	74.0	21.0	.800
-3.9	3.9	0.003	62.0	21.0	.800
-4.7	4.7	0.003	54.0	21.0	.800
-5.6	5.6	0.003	54.0	21.0	.800
-6.8	6.8	0.004	47.0	21.0	.800
-8.2	8.2	0.004	42.0	21.0	.800
-10	10.0	0.006	38.0	17.0	.700
-12	12.0	0.008	35.0	13.5	.690
-15	15.0	0.009	32.0	13.5	.690
-18	18.0	0.010	29.0	13.5	.690
-22	22.0	0.011	25.0	13.5	.790
-27	27.0	0.012	23.0	13.5	.790
-33	33.0	0.017	20.0	13.5	.790
-39	39.0	0.022	19.1	11.4	.790
-47	47.0	0.024	19.0	9.0	.750
-56	56.0	0.026	17.5	9.0	.750
-68	68.0	0.029	15.6	9.0	.750
-82	82.0	0.032	14.0	9.0	.750
-100	100.0	0.034	13.2	9.0	.781
-120	120.0	0.046	12.1	7.2	.750
-150	150.0	0.064	10.8	5.5	.781
-180	180.0	0.072	9.7	5.5	.781
-220	220.0	0.080	8.7	5.5	.781
-270	270.0	0.110	7.9	4.5	.750
-330	330.0	0.122	7.1	4.5	.812
-390	390.0	0.169	6.7	4.0	.750
-470	470.0	0.187	6.0	4.0	.750
-560	560.0	0.205	5.5	4.0	.750
-680	680.0	0.256	5.0	2.8	.718
-820	820.0	0.288	4.5	2.8	.843
-1000	1000.0	0.426	4.1	2.0	.750
-1200	1200.0	0.462	3.7	2.0	.750
-1500	1500.0	0.518	3.4	2.0	.750
-1800	1800.0	0.705	2.8	1.6	.770
-2200	2200.0	1.02	2.5	1.3	.770
-2700	2700.0	1.14	2.3	1.3	.770
-3300	3300.0	1.27	2.0	1.3	.750
-3900	3900.0	1.67	1.8	1.0	.750
-4700	4700.0	1.86	1.7	1.0	.750

Dimensions

	A	B	C	D	E
Renco RL 1256-1	16,7	21,3	4,9	Clearance Hole For 4/40 Screw	See specifications
Renco RL 1256-2	21,0	21,3	4,9	Clearance Hole For 4/40 Screw	See specifications
Renco RL 1256-3	27,9	21,3	4,9	Clearance Hole For 4/40 Screw	See specifications

Dimension in mm


Renco Axial Power Inductor Choke - RL-1282 Series
 Ø 14,0 x 25,4 mm

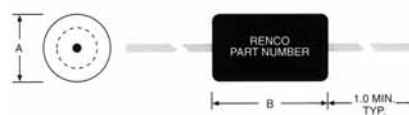
Part No.	Inductance at 0 DCµH ± 15%	Max.DCR Ω @ +20°C	Saturation Current A	Suggested Rated Current A
-3.9	3,9	.007	47.0	6.0
-4.7	4,7	.008	42.0	6.0
-5.6	5,6	.009	35.0	6.0
-6.8	6,8	.010	29.0	6.0
-8.2	8,2	.011	24.0	6.0
-10	10	.012	19.0	6.0
-12	12	.013	16.0	6.0
-15	15	.014	14.8	6.0
-18	18	.015	13.4	6.0
-22	22	.016	12.4	6.0
-27	27	.017	11.2	6.0
-33	33	.021	10.2	6.0
-39	39	.023	9.3	6.0
-47	47	.025	8.7	6.0
-56	56	.028	8.0	6.0
-68	68	.039	7.0	4.7
-82	82	.043	6.3	4.7
-100	100	.055	5.7	3.8
-120	120	.076	5.3	3.0
-150	150	.084	4.7	3.0
-180	180	.096	4.3	3.0
-220	220	.108	4.0	3.0
-270	270	.151	3.6	2.3
-330	330	.168	3.2	2.3
-390	390	.182	2.9	2.3
-470	470	.202	2.6	2.3
-560	560	.348	2.4	1.4
-680	680	.470	2.2	1.2
-820	820	.500	2.0	1.2
-1000	1000	.570	1.8	1.2
-1200	1200	.648	1.70	1.200
-1500	1500	.888	1.55	0.900
-1800	1800	1.16	1.40	0.750
-2200	2200	1.20	1.25	0.750
-2700	2700	1.44	1.10	0.750
-3300	3300	1.92	1.000	0.590
-3900	3900	2.16	0.900	0.590
-4700	4700	2.50	0.850	0.590
-5600	5600	3.20	0.780	0.450
-6800	6800	4.00	0.700	0.450
-8200	8200	5.20	0.650	0.350
-10000	10000	6.00	0.600	0.350
-12000	12000	8.00	0.540	0.270
-15000	15000	10.00	0.480	0.200
-18000	18000	11.00	0.460	0.200
-22000	22000	13.00	0.390	0.200
-27000	27000	15.00	0.355	0.200
-33000	33000	21.00	0.330	0.160
-39000	39000	23.20	0.300	0.160
-47000	47000	32.00	0.270	0.120
-56000	56000	35.00	0.175	0.120
-68000	68000	48.00	0.145	0.095
-82000	82000	54.30	0.120	0.095
-100000	100000	68.50	0.100	0.070
-120000	120000	75.00	0.080	0.070
-150000	150000	84.30	0.060	0.070


Renco Axial Led High Frequency Inductor - RL-1292 Series
 Ø 14,0 x 25,4 mm

Part No.	Inductance at 0 DCµH ± 15%	Max.DCR Ω @ +20°C	Saturation Current A	Suggested Rated Current A
-3.9	3,9	.007	16.00	6.0
-4.7	4,7	.008	14.75	6.0
-5.6	5,6	.009	13.50	6.0
-6.8	6,8	.010	12.00	6.0
-8.2	8,2	.011	10.50	6.0
-10	10	.012	9.60	6.0
-12	12	.013	8.60	6.0
-15	15	.014	7.70	6.0
-18	18	.015	7.20	6.0
-22	22	.016	6.40	6.0
-27	27	.017	5.80	6.0
-33	33	.021	5.30	6.0
-39	39	.023	5.20	6.0
-47	47	.025	4.40	6.0
-56	56	.028	4.10	6.0
-68	68	.039	3.80	4.7
-82	82	.043	3.40	4.7
-100	100	.055	3.00	3.8
-120	120	.076	2.80	3.0
-150	150	.084	2.50	3.0
-180	180	.096	2.30	3.0
-220	220	.108	2.10	3.0
-270	270	.151	1.90	2.3
-330	330	.168	1.70	2.3
-390	390	.182	1.40	2.3
-470	470	.202	1.20	2.3
-560	560	.348	1.15	1.4
-680	680	.470	1.10	1.2
-820	820	.500	1.00	1.2
-1000	1000	.570	0.91	1.2
-1200	1200	.648	0.84	1.2
-1500	1500	.888	0.76	0.900
-1800	1800	1.16	0.73	0.750
-2200	2200	1.20	0.68	0.750
-2700	2700	1.44	0.56	0.750
-3300	3300	1.92	0.53	0.590
-3900	3900	2.16	0.51	0.590
-4700	4700	2.50	0.47	0.590
-5600	5600	3.20	0.44	0.450
-6800	6800	4.00	0.41	0.450
-8200	8200	5.20	0.37	0.350
-10000	10000	6.00	0.34	0.350
-12000	12000	8.00	0.32	0.270
-15000	15000	10.00	0.25	0.200
-18000	18000	11.00	0.23	0.200
-22000	22000	13.00	0.21	0.200
-27000	27000	15.00	0.185	0.200
-33000	33000	21.00	0.175	0.160
-39000	39000	23.20	0.16	0.160
-47000	47000	32.00	0.148	0.120
-56000	56000	35.00	0.135	0.120
-68000	68000	48.00	0.125	0.095
-82000	82000	54.30	0.11	0.095
-100000	100000	68.50	0.095	0.070
-120000	120000	75.00	0.08	0.070
-150000	150000	84.30	0.06	0.070

The RL-1288 / RL-1284 / RL-1283 (on request) RL-1282 Series, in four sizes, of Power Line Chokes has 204 standard values to choose from. Inductances range from 1.0mH to 150,000µH. The use of high saturation material make these coils ideal for use in switching regulated power supply type applications. The size of the coils make them easy to incorporate in equipment.



The RL-1294 / RL-1293 (on request) RL-1292 Series of switch mode inductors were engineered for low loss in high frequency switching applications. 155 standard values ranging from 3.9 to 150,000µH. With rated currents to 6 Amps and saturations up to 16 ADC. The size of these inductors make them to incorporate into any design.

Dimensions


	A	B
Renco RL 1282	14,0	25,4
Renco RL 1292	14,0	25,4



































Dimension in mm

SMD RF Chip Inductors (wounded + multilayer) + Common Mode Chokes

TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATER DC CURRENT	TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATER DC CURRENT
MS1005 0402CS 	1.1x0.6x0.6	1nH~100nH 30mA~1.36A	MF1005 	1.1x0.6x0.6	1nH~120nH 10mA~300mA
MS1608 0603CS 5506 	1.8x1.0x1.0	1.6nH~390nH 100mA~700mA	MF1608 	1.8x1.0x1.0	1.0nH~270nH 200mA~250mA
MS2012 0805CS 5508 	2.2x1.4x1.1	2.8nH~820nH 180mA~800mA	MF2012 	2.2x1.4x1.1	1.5nH~470nH 300mA~300mA
MS2520 1008CS 5501 	2.92x2.50x2.03	3.9nH~8200nH 170mA~1000mA	ML1608 	1.8x1.0x1.0	47nH~15µH 1mA~50mA
MS3225 	3.56x2.79x2.03	4.7nH~2200nH 150mA~1000mA	ML2012 	2.2x1.4x1.1	47nH~33µH 5mA~300mA
MS1608LC 0603LS 	1.8x1.2x1.02	0.1µH~10µH 180mA~1400mA	SS3730 	1.1x0.6x0.6	2.5nH~18.5nH 4A~4A
MS2012LC 0805LS 5508 	2.4x1.6x1.4	0.47µH~33µH 145mA~750mA	SS7030 	1.8x1.0x1.0	1.0nH~270nH 200mA~250mA
MS2012LS 0805LS 	2.4x1.6x1.4	0.47µH~10µH 115mA~420mA	MB1005 	1.1x0.6x0.6	30Ω~1000Ω 150mA~400mA
MS2520LC 1008LS 5501 	2.9x2.5x2.1	1.0µH~33µH 236mA~1000mA	MB1608 	1.8x1.0x1.0	30Ω~2500Ω 100mA~400mA
MS2520LS 1008LS 	2.9x2.5x2.1	1.2µH~82µH 80mA~300mA	MB2012 	2.2x1.45x1.1	7Ω~2700Ω 100mA~600mA
MS3225LC 1206CS 5503 	3.6x2.8x2.6	1.0µH~68µH 76mA~1200mA	MA3216 	3.4x1.8x1.1	30Ω~1,000Ω 50mA~350mA
MS3225LS 1206CS 5503 	3.6x2.8x2.6	1.0µH~220µH 80mA~630mA	MM2012 	2.2x1.4x1.1	67Ω~370Ω 280mA~400mA
MW2520 	2.7x2.2x2.4	1.0µH~100µH 60mA~245mA	MM3216 	3.4x1.8x1.1	90Ω~2200Ω 200mA~370mA
MW3225 	3.6x2.7x3.1	0.1µH~100µH 40mA~450mA	MM2012C 	2.2x1.45x1.1	90Ω~160Ω 300mA~300mA
MW4532 	4.8x3.4x4.4	0.1µH~1000µH 30mA~800mA	MM2012M 	2.2x1.4x1.1	90Ω~180Ω 200mA~400mA
SPS1008 	3.81x3.81x2.74	1.0µH~1000µH 0.11A~2.0A	MM3216M 	3.4x1.8x2.1	90Ω~370Ω 400mA~500mA
MM6560 	6.7x6.1x3.75	120Ω~500Ω 500mA~500mA	SMM5040 	5.3x5.3x4.8	190Ω~4000Ω 200mA~5000mA



































(*) if mentioned more than 1 reference, these must not be 100% alternatives, see each time supplier data-sheets for details

SMD Power Inductors unshielded + shielded

TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATED DC CURRENT	TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATED DC CURRENT
SDH1608X DO1606T 	6.6x4.45x2.92	1µH~1000µH 0.1A~2.9A	SDR32 CR32 ME3220 	3.8x3.3x2.5	1µH~82µH 0.28A~2.08A
SDH1813 DO1813HC 	9.19x6.4x5.3	0.18µH~47µH 0.87A~14A	SDR43 CR43 	4.8x4.3x3.7	1µH~68µH 0.37A~2.56A
SDH3316 DO3316HC 	13.5x9.91x6.35	0.12µH~470µH 0.5A~28A	SDR54 CR54 	6.1x5.5x4.8	10µH~220µH 0.35A~1.44A
SDH5022 DO5022HC 	22.65x16.56x8.3	0.78µH~15µH 8A~30A	SDR73 CR73 	8.1x7.3x3.8	10µH~330µH 0.28A~1.44A
SPO1704 LPO1704 	6.6x5.5x1.1	1.2µH~330µH 0.13A~2.1A	SDR75 CR75 	8.1x7.3x5.5	10µH~470µH 0.34A~2.3A
SPO2506 LPO2506 	6.6x5.5x1.1	4.7µH~1000µH 0.10A~1.6A	SDR104 CR104 	10.3x9.3x4.5	10µH~560µH 0.32A~2.38A
SDT1608 DT1608 	6.6x4.45x2.92	1.0µH~1000µH 0.08A~2A	SDR105 CR105 	10.3x9.3x5.9	10µH~820µH 0.24A~2.60A
SDT3316 DT3316 	12.95x9.4x5.2	1.0µH~1000µH 0.085A~4.5A	SDR0504K 	5.8x4.8	1.2µH~820µH 0.2A~7.3A
SLF0602 	8.13x5.03x3.94	47µH~47µH 0.5A~0.5A	SDR0705K 	7.8x5.3	1.5µH~4700µH 0.15A~9.1A
SDO1608 DO1608 	6.6x4.45x2.92	1µH~1000µH 0.1A~2.9A	SDR0905K 	9.8x5.8	1.5µH~4700µH 0.24A~10A
SDO1813 	9.19x6.4x5.3	0.18µH~47µH 0.87A~14A	SDR1307K 	13.3x7.3	1.5µH~1000µH 1.0A~20A
SDO3308 DO3308 	12.95x9.4x3.0	4.7µH~1000µH 0.29A~4.2A	SDB1108 	14x11.6x8.5	10µH~1200µH 0.35A~3.5A
SDO3316 DO3316 CDR95 	12.95x9.4x5.2	1µH~1000µH 0.3A~9.0A	SRS63B CDR63B 	6.7x6.2x3.7	10µH~68µH 0.42A~1.0A
SDO3340 DO3340 	12.95x9.4x11.4	10µH~1000µH 0.8A~8.0A	SRS74B CDR74B 	8.3x7.5x5.0	10µH~270µH 0.33A~1.65A
SDO5022 DO5022 CDR156 	18.54x15.24x7.11	1µH~1000µH 1A~20A	SRS105B CDR105B 	10.5x9.5x5.5	10µH~470µH 0.33A~2.06A
SDO5040 DO5040 	18.54x15.24x7.11	0.78µH~1000µH 1A~30A	SDS5018 	5.2x5.2x2.0	1.2µH~47µH 0.34A~2.1A
SDS63 	6.5x6.9x3.0	2.9µH~330µH 0.19A~1.94A	SDS6020 	6.3x6.2x2.0	1.0µH~47µH 0.42A~2.97A



































(*) if mentioned more than 1 reference, these must not be 100% alternatives, see each time supplier data-sheets for details

SMD Power Inductors Shielded

TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATED DC CURRENT	TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATED DC CURRENT
SDS1608X 	6.6x4.45x2.92	1.0µH~10000µH 0.02A~3A	SDS73 CDRH73 	7.5x7.5x3.4	10µH~1000µH 0.16A~1.6A
SDS1608 DS1608 	6.6x4.45x2.92	1.0µH~10000µH 0.02A~3A	SDS74 CDRH74 	7.5x7.5x4.5	10µH~1000µH 0.18A~1.84A
SDS3316 DS3316 	12.95x9.4x5.2	1µH~1000µH 0.32A~5.6A	SDS124 CDRH124 	12.3x12.3x4.5	3.9µH~330µH 0.50A~6.5A
SDS5022 DS5022 CDRR157 	18.54x15.24x7.62	10µH~1000µH 0.8A~18A	SDS125 CDRH125 	12.3x12.3x6.0	1.3µH~1000µH 0.4A~8A
SDC2D09 CDRH2009 	3.2x3.2x1.0	1.2µH~10µH 280mA~800mA	SDS127 CDRH127 	12.3x12.3x8.0	1.2µH~1000µH 0.55A~9.8A
SDC2D11 CDRH2D11 	3.2x3.2x1.2	1.5µH~10µH 350mA~900mA	SDS5210 	5.2x5.2x1.0	0.47µH~470µH 0.11A~3.54A
SDC2D14 CDRH2D14 	3.2x3.2x1.55	1.5µH~12µH 620mA~1800mA	SDS5212 	5.2x5.2x1.2	0.47µH~1000µH 86mA~3.86A
SDC2D18LD CDRH2D18 	3.2x3.2x2.0	2.2µH~47µH 200mA~850mA	SDS5214 	5.2x5.2x1.45	0.58µH~1000µH 0.117A~4.84A
SDC3D14HP 	4.0x4.0x1.5	1.5µH~22µH 650mA~2600mA	SDS5218 	5.2x5.2x1.8	0.47µH~1000µH 0.102A~4.63A
SDC3D16 CDRH3D16 	4.0x4.0x1.8	1.5µH~33µH 320mA~1500mA	SDS5220 	5.2x5.2x2.0	0.47µH~1000µH 0.088A~4A
SDC4D18 CDRH4D18 	5.0x5.0x2.0	1.0µH~180µH 140mA~1720mA	SDS5225 	5.2x5.2x2.5	0.47µH~1000µH 0.126A~6A
SDC5D18 CDRH5D18 	6.0x6.0x2.0	4.1µH~100µH 0.36A~1.95A	SDS5212Q 	5.2x5.2x1.2	0.47µH~82µH 0.334A~4.34A
SDC6D38 CDRH6D38 	7.0x7.0x4.0	3.3µH~100µH 0.65A~3.50A	SDS5225Q 	5.2x5.2x2.5	0.47µH~1000µH 0.127A~6.43A
SDC8D28 CDRH8D28 	8.3x8.3x3.0	2.5µH~100µH 0.75A~4.50A	SDS73BQ 	7.6x7.6x3.55	0.33µH~1000µH 0.25A~14.4A
SDC8D43 CDRH8D43 	8.3x8.3x4.5	2.0µH~100µH 1.30A~7.0A	SDS74BQ 	7.6x7.6x4.45	0.33µH~1000µH 0.31A~18.4A
SDC104R MSS1038 CDRH104R 	10.3x10.5x4.0	1.5µH~330µH 0.70A~10.0A	SDS125BQ 	12.5x12.5x6.0	0.47µH~1000µH 0.70A~33.0A
SDC105R CDRH105R 	10.3x10.5x5.1	0.8µH~1000µH 0.42A~9.5A	SDS127BQ 	12.5x12.5x8.0	0.47µH~1000µH 1.14A~56.0A

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SMD Power Inductors Shielded, High Current + CCFL Transformers

TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATER DC CURRENT	TYPE (*)	DIMENSIONS (mm) Max.	INDUCTANCE RANGE & RATER DC CURRENT
SBS6028 	6.4x6.4x3.0	4.7µH~100µH 0.42A~1.6A	EFD15XF 	22.3x16x9	5W~6W 1800V
SBS7028 	7.6x7.6x3.0	3.3µH~47µH 0.54A~1.6A	EFD20XFS 	28.8x21x8.7	20W~25W 2500V
SBS7045 	7.6x7.6x4.8	3.3µH~1000µH 0.14A~2.5A	EEL19XF 	33.7x21x10.3	20W 2000V
SBS10145 	10.4x10.4x4.8	3.3µH~1500µH 0.22A~4.9A	UI 15XF 	25.1x15.4x7.8	10W 1800V
SBS12555 	12.8x12.8x5.8	6.0µH~1500µH 0.29A~3.6A	UI 12XF 	30.4x12.5x5	8W 2500V
SBS12565 	12.8x12.8x6.95	2.0µH~220µH 1.0A~10A	UI 9.8XF 	32.9x10x5	6W 1800V
SBS12575 	12.8x12.8x7.85	1.2µH~220µH 1.3A~13A	UI 9.7XF 	35x10x3.5	6W 2500V
SBP75 	8.3x8.3x3.0	0.072µH~0.2µH 19A~37A	UI 7.0XF 	26.8x7.2x3.5	3W 2200V
SBP84 	8.89x6.35x4.5	0.1µH~0.2µH 15A~15A	EPC25XF 	31.5x26.5x13.5	20W 2400V
SBP84D 	8.89x6.35x4.5	0.7µH~0.7µH 10.7A~10.7A	EPC19XF 	25.5x21.11	7W 1800V
SBP1005 	10.3x10.5x4.0	0.1µH~0.2µH 30A~40A	X3XF 	33.55x27.35x8	15W~20W 2500V
SBP1307 	10.3x10.5x5.1	0.21µH~0.44µH 30A~45A	EM5XF 	35.8x16.5x7	15W 3000V
SEP0603J 	7.7x6.9x3.0	0.47µH~4.7µH 5.5A~17.5A	XO18XF 	33.6x19.2x6.4	20W~25W 2500V
SEP0603K 	7.3x6.67x3.0	0.47µH~10µH 6.0A~25.0A	CI 9.0XF 	42.2x9.5x4	20W 2400V
SEP1004E 	10.5x10.7x4.0	0.5µH~1.0µH 20A~25A	CI 8.9XF 	37.6x10.5x6	7W 1800V
SEP1207E 	13.3x13.5x7.6	0.2µH~1.5µH 28A~55A	CI 8.5XF 	38.9x8.5x4.5	15W~20W 2500V
SEP1409 	15.2x16.2x10	0.56µH~3µH 15.4A~30A	CI 8.0XF 	38.9x8x4.2	15W 3000V

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Space + Military Level Components

RAD-Hard/Tolerant Components
MIL-QPL (JANS/JAN-JANTXV) Components
COTS Plus Components
High Temperature Components

Semiconductor Devices

Discrete Semiconductors Diodes, Rectifiers, Schottky, SiC Schottky, Transistors, Mosfets
Optoelectronics & Sensors LEDs, Photodetectors, Optocouplers, Micro Camera Heads, Optical Transceivers

Integrated Circuits

Analog Circuits Data Converters A/D + D/A, Power Circuits, Voltage Regulators
Digital Circuits Single On-Board Computers, DPUs, Computer Cores, Memories
Power Circuits DC/DC Converters, AC/DC Converters, Inverters
Solid State Circuits SSRs Solid State Relays, SSPCs Power Controllers
Motion Control Circuits Fully integrated Motor Controllers

Passive + Electromechanical Devices

Discrete Passive Devices Capacitors, Magnetics, EMI Filters, Potentiometers
Electromechanical Devices Fuses, Connectors, Seals, Motors, Printed Circuit Boards

Systems + Assemblies

Power Supplies Units, Protection Circuits,
Slip Rings, Slip Rings + Potentiometers, Potentiometers + Motors

Obsolescence Services

Management Capabilities Management Services, Management Tools
Product Capabilities DMS (Diminishing Manufacturing Source), EOL (End Of Life Support)

Radiation Test Services

Test + Reports Capabilities TID, SEU, SEL, SEFI, SEGR, SET, Atmospheric of Neutron, HA (Hardness Assurance)
Consulting Capabilities Radiation Effects Consulting, Vendor Selection

3D-Plus

www.3d-plus.com

Affinity Medical Technologies

www.affinitymed.com

API Delevan

www.delevan.com

ATI électronique

www.ati-electronique.fr

Eurofarad

www.eurofarad.com

Firadec

www.firadec.fr

Martek Power

www.martekpowerabbott.com

Microspire

www.microspire.com

Omnetics Connector Corp.

www.omnetics.com

PAVE Technologies

www.pavetechnologyco.com

Powell

www.powell.com

Protokraft

www.protokraft.com

Qinetiq

www.qinetiq.com

Semicoa

www.semicoa.com

Sensitron

www.sensitron.com

Space Micro

www.spacemicro.com

Ulti-Mate Connector Inc.

www.umi-c.com

USI Universal Electronics

www.uni-semi.com