

Coilcraft®



MAGNETICS
FOR RF, POWER,
FILTER AND DATA
APPLICATIONS

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NOVEMBER 2021

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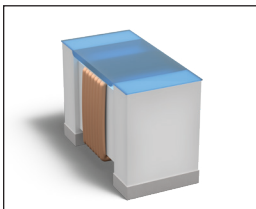
Bold new product

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1812CAN	52	LPD3015	49, 54	RFC1010	47	XFL5030	22
1812CS	12	LPD4012	49, 54	RFS1113	46	XFL6012	22
1812FS	12	LPD5010	49, 54	RFS1317	46	XFL7015	22
1812LS	12	LPD5030	49, 54	RFS1412	46	XGL3512	24
1812MS	14	LPD6235	50	SBU9	56	XGL3515	24
1812WBT	19	LPH845	51	SD43	42	XGL3520	24
2014VS	13	LPQ2506	42	SD54	43	XGL3530	24
2208MF	17	LPQ3010	41	SER1052	34	XGL4015	24
2222SQ	13	LPQ3010	41	SER1360	34	XGL4020	24
2508	14	LPQ4812	41	SER1390	34	XGL4025	24
2929SQ	13	LPQ4815	42	SER14xx	34	XGL4030	24
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Featured Products

016008C High Q Ceramic Chip Inductors

3



- Lower DCR than all thin film counterparts
- Choose from 36 precision-spaced L values from 0.45 to 24 nH
- Higher Q than thin film types: Up to 62 at 2.4 GHz
- Ideal for high-frequency applications, such as cell phones, wearable devices, and LTE/5G IoT networks

MSS1812T Series High Temperature Power Inductors

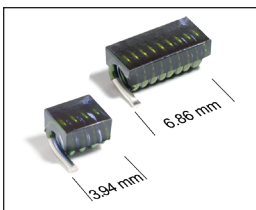
33



- Seven inductance values from 100 μ H to 1000 μ H
- Low-loss ferrite drum core for flat inductance vs current
- Excellent current handling with low DC resistance for greater efficiency
- AEC-Q200 Grade 1 (-40°C to $+125^{\circ}\text{C}$)

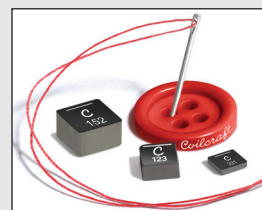
1512SP / 2712SP Series Mini Air Core Inductors

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- Wide range of standard EIA inductance values from 2.5 nH to 150 nH (with tolerances as low as 2%)
- Tight tolerance can eliminate circuit tuning
- Exceptionally high Q across a wide frequency range
- Acrylic jacket provides a flat top for pick and place

XGL Family Ultra-low Loss Power Inductors



Coilcraft XGL Family molded power inductors offer the industry's lowest DC losses and extremely low AC losses for a wide range of DC-DC converters, from hundreds kHz up to 5+ MHz. Additional benefits include a wider range of inductance values and improved Irms current ratings.

See them all on page 24–25.

AEC-Q200 qualified products

are identified throughout the catalog with icons.

Q200 AEC-Q200 Grade 1 qualified

Q200 AEC-Q200 Grade 3 qualified

For additional information, please contact us for our *Magnetics for automotive electronics* brochure.



1008CT Low Profile



Part number	Inductance (nH)	Percent tolerance*	Q min	SRF min (MHz)	DCR max (Ohms)	Irms (mA)
1008CT-040XJLC	4.7 @ 50 MHz	5	28 @ 500 MHz	7500	0.15	600
1008CT-080X_LC	8.2 @ 50 MHz	5,2	40 @ 500 MHz	5000	0.22	600
1008CT-100XJLC	10 @ 50 MHz	5	40 @ 500 MHz	3000	0.22	600
1008CT-150X_LC	15 @ 50 MHz	5,2	40 @ 500 MHz	3000	0.22	600
1008CT-200X_LC	20 @ 50 MHz	5,2	50 @ 500 MHz	2400	0.33	600
1008CT-300X_LC	30 @ 50 MHz	5,2	50 @ 500 MHz	2400	0.38	600
1008CT-400X_LC	40 @ 50 MHz	5,2	60 @ 500 MHz	2000	0.43	600
1008CT-500X_LC	50 @ 50 MHz	5,2	60 @ 500 MHz	1900	0.48	600
1008CT-600X_LC	60 @ 50 MHz	5,2,1	60 @ 500 MHz	1800	0.52	600
1008CT-700X_LC	70 @ 50 MHz	5,2,1	60 @ 500 MHz	1700	0.55	510
1008CT-800X_LC	80 @ 50 MHz	5,2,1	60 @ 500 MHz	1400	0.56	510
1008CT-900X_LC	90 @ 50 MHz	5,2	65 @ 500 MHz	1400	0.61	500
1008CT-101X_LC	100 @ 50 MHz	5,2	60 @ 500 MHz	1000	0.63	480

1008HQ High Q



Part number	Inductance (nH)	Percent tolerance*	Q min	SRF min (GHz)	DCR max (Ohms)	Irms (A)
1008HQ-3N0XJLC	3.0 @ 50 MHz	5	70	8.10	0.04	1.6
1008HQ-4N1XJLC	4.1 @ 50 MHz	5	75	6.20	0.05	1.6
1008HQ-7N8XJLC	7.8 @ 50 MHz	5	75	3.80	0.05	1.6
1008HQ-10NX_LC	10 @ 50 MHz	5,2	60	3.60	0.06	1.6
1008HQ-12NX_LC	12 @ 50 MHz	5,2	70	2.80	0.06	1.5
1008HQ-18NX_LC	18 @ 50 MHz	5,2,1	62	2.70	0.07	1.4
1008HQ-22NX_LC	22 @ 50 MHz	5,2	62	2.05	0.07	1.4
1008HQ-33NX_LC	33 @ 50 MHz	5,2	75	1.70	0.09	1.3
1008HQ-36NX_LC	36 @ 50 MHz	5,2	65	1.40	0.09	1.3
1008HQ-39NX_LC	39 @ 50 MHz	5,2	75	1.30	0.09	1.3
1008HQ-47NX_LC	47 @ 50 MHz	5,2,1	75	1.45	0.12	1.2
1008HQ-56NX_LC	56 @ 50 MHz	5,2,1	75	1.23	0.12	1.2
1008HQ-68NX_LC	68 @ 50 MHz	5,2,1	80	1.15	0.13	1.1
1008HQ-82NX_LC	82 @ 50 MHz	5,2	80	1.06	0.16	1.1
1008HQ-R10X_LC	100 @ 50 MHz	5,2	62	0.82	0.16	1.0

1008HT Low Profile



Part number	Inductance (nH)	Percent tolerance*	Q min	SRF min (MHz)	DCR max (Ohms)	Irms (mA)
1008HT-3N3TJLC	3.3 @ 250 MHz	5	65 @ 1500 MHz	7900	0.025	1000
1008HT-6N8TJLC	6.8 @ 250 MHz	5	70 @ 1500 MHz	5500	0.05	1000
1008HT-7N2TJLC	7.2 @ 250 MHz	5	70 @ 1500 MHz	4800	0.05	1000
1008HT-12NTJLC	12 @ 250 MHz	5	55 @ 700 MHz	3800	0.065	1000
1008HT-15NTJLC	15 @ 250 MHz	5	55 @ 700 MHz	2800	0.08	1000
1008HT-18NTJLC	18 @ 250 MHz	5	55 @ 500 MHz	3000	0.09	1000
1008HT-22NTJLC	22 @ 250 MHz	5	55 @ 500 MHz	2600	0.11	950
1008HT-27NT_LC	27 @ 250 MHz	5,2	55 @ 500 MHz	2400	0.13	850
1008HT-33NT_LC	33 @ 200 MHz	5,2	55 @ 350 MHz	2000	0.135	760
1008HT-39NT_LC	39 @ 200 MHz	5,2	55 @ 350 MHz	1900	0.17	700
1008HT-47NT_LC	47 @ 200 MHz	5,2,1	55 @ 350 MHz	1500	0.18	660
1008HT-56NT_LC	56 @ 150 MHz	5,2,1	50 @ 300 MHz	1500	0.18	620
1008HT-68NT_LC	68 @ 150 MHz	5,2,1	50 @ 300 MHz	1500	0.23	550
1008HT-82NT_LC	82 @ 150 MHz	5,2,1	40 @ 250 MHz	1300	0.35	500
1008HT-R10T_LC	100 @ 100 MHz	5,2,1	40 @ 250 MHz	1200	0.64	420
1008HT-R12T_LC	120 @ 100 MHz	5,2,1	40 @ 200 MHz	1090	0.55	350
1008HT-R14T_LC	140 @ 100 MHz	5,2,1	40 @ 200 MHz	1100	0.70	320
1008HT-R15T_LC	150 @ 100 MHz	5,2,1	40 @ 200 MHz	960	0.75	300
1008HT-R18T_LC	180 @ 50 MHz	5,2,1	40 @ 200 MHz	920	1.02	250
1008HT-R22T_LC	220 @ 50 MHz	5,2,1	34 @ 100 MHz	750	1.15	250
1008HT-R24T_LC	240 @ 50 MHz	5,2	32 @ 100 MHz	800	1.15	250
1008HT-R27T_LC	270 @ 50 MHz	5,2	32 @ 100 MHz	770	1.25	250
1008HT-R33T_LC	330 @ 25 MHz	5,2	32 @ 100 MHz	635	1.35	250
1008HT-R39T_LC	390 @ 25 MHz	5,2	32 @ 100 MHz	555	1.45	250
1008HT-R47T_LC	470 @ 25 MHz	5,2	32 @ 100 MHz	530	1.65	240
1008HT-R56T_LC	560 @ 25 MHz	5,2	32 @ 100 MHz	485	1.90	240

Which chip inductor family should you use?

	Ceramic (SUFFIX, BODY SIZE)				Ferrite (SUFFIX, BODY SIZE)		
Highest Q	DC 0402-0603	HP 0402-0805	HQ 0403-1008	CS 0402-1812	LS 0603-1812		
Lowest DCR	DC 0402-0603	HP 0402-0805	DS 0201		DF 0402	AF 0201-1008	LS 0603-1812
Highest current	HP 0402-0805	PA 0402	HC 0603		DF 0402	AF 0201-1008	LS 0603-1812
Highest L	HL 0201-0603				DF 0402	LS 0603-1812	
Lowest Profile	CT 1005-2520				FL 1005		



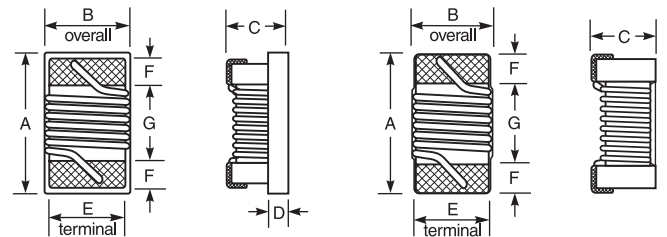
1008LS

Part number	Inductance ±5% (µH)	Q min	SRF min (MHz)	DCR max (Ohms)	Irms (mA)	Color code
1008LS-102XJEC	1.0 @ 7.9 MHz	48 @ 50 MHz	230	0.62	700	Black
1008LS-122XJEC	1.2 @ 7.9 MHz	37 @ 50 MHz	210	0.68	650	Red
1008LS-152XJEC	1.5 @ 7.9 MHz	37 @ 50 MHz	190	0.76	630	Green
1008LS-182XJEC	1.8 @ 7.9 MHz	37 @ 50 MHz	170	0.84	600	Gay
1008LS-222XJEC	2.2 @ 7.9 MHz	37 @ 50 MHz	150	1.10	520	Red
1008LS-272XJEC	2.7 @ 7.9 MHz	37 @ 50 MHz	135	1.28	490	Violet
1008LS-332XJEC	3.3 @ 7.9 MHz	37 @ 50 MHz	120	1.46	450	Orange
1008LS-392XJEC	3.9 @ 7.9 MHz	37 @ 7.9 MHz	105	1.56	420	White
1008LS-432XJEC	4.3 @ 7.9 MHz	30 @ 7.9 MHz	85	1.70	400	Orange
1008LS-472XJEC	4.7 @ 7.9 MHz	32 @ 7.9 MHz	90	1.68	400	Violet
1008LS-502XJEC	5.0 @ 7.9 MHz	25 @ 7.9 MHz	30	2.20	360	Black
1008LS-562XJEC	5.6 @ 7.9 MHz	37 @ 7.9 MHz	80	1.82	380	Blue
1008LS-622XJEC	6.2 @ 7.9 MHz	32 @ 7.9 MHz	75	2.50	330	Red
1008LS-682XJEC	6.8 @ 7.9 MHz	37 @ 7.9 MHz	70	2.00	360	Gray
1008LS-822XJEC	8.2 @ 7.9 MHz	37 @ 7.9 MHz	65	2.65	330	Red
1008LS-912XJEC	9.1 @ 7.9 MHz	37 @ 7.9 MHz	57	2.90	310	Brown
1008LS-103XJEC	10 @ 7.9 MHz	37 @ 7.9 MHz	60	2.95	300	Black
1008LS-123XJEC	12 @ 2.5 MHz	28 @ 2.5 MHz	38	3.30	290	Red
1008LS-153XJEC	15 @ 2.5 MHz	34 @ 2.5 MHz	30	3.70	280	Green
1008LS-183XJEC	18 @ 2.5 MHz	28 @ 2.5 MHz	26	4.00	160	Gray
1008LS-223XJEC	22 @ 2.5 MHz	20 @ 2.5 MHz	22	6.14	270	Red
1008LS-273XJEC	27 @ 2.5 MHz	24 @ 2.5 MHz	12	6.45	210	Violet
1008LS-333XJEC	33 @ 2.5 MHz	22 @ 2.5 MHz	19	7.00	200	Orange
1008LS-393XJEC	39 @ 2.5 MHz	33 @ 2.5 MHz	26	10.0	170	White
1008LS-473XJEC	47 @ 2.5 MHz	20 @ 2.5 MHz	12	10.7	160	Violet
1008LS-563XJEC	56 @ 2.5 MHz	20 @ 2.5 MHz	8.0	10.0	170	Blue
1008LS-683XJEC	68 @ 0.79 MHz	14 @ 0.79 MHz	5.7	13.5	145	Gray
1008LS-104XJEC	100 @ 0.79 MHz	13 @ 0.79 MHz	4.5	20.5	120	Black

* Bold numbers indicate tolerances carried in stock. When ordering, please replace underscore in part number with the proper tolerance code: F = 1%, G = 2%, J = 5%. (e.g. 1008CT-800X**GLC** for a 2% tolerance part.)

0805HQ, 0805LS, 0805RB, 1008AF, 1008CS, 1008CT, 1008HQ, 1008LS

0805HT, 1008HT



Dimensions (inches mm)

Series	A max	B max	C max	D ref	E	F	G
0805HQ	0.090 2,29	0.068 1,73	0.060 1,52	0.020 0,51	0.050 1,27	0.020 0,51	0.040 1,02
0805HT	0.085 2,16	0.060 1,52	0.035 0,89		0.050 1,27	0.017 0,43	0.045 1,14
0805LS	0.090 2,29	0.075 1,91	0.063 1,60	0.020 0,51	0.050 1,27	0.020 0,51	0.040 1,02
0805RB	0.090 2,29	0.068 1,73	0.060 1,52	0.020 0,51	0.050 1,27	0.014 0,36	0.054 1,37
1008AF	0.115 2,92	0.110 2,79	0.075 1,91	0.020 0,51	0.080 2,03	0.020 0,51	0.060 1,52
1008CS	0.115 2,92	0.110 2,79	0.080 2,03	0.020 0,51	0.080 2,03	0.020 0,51	0.060 1,52
1008CT	0.115 2,92	0.110 2,79	0.050 1,27	0.020 0,51	0.080 2,03	0.020 0,51	0.060 1,52
1008HQ	0.115 2,92	0.110 2,79	0.080 2,03	0.020 0,51	0.080 2,03	0.020 0,51	0.060 1,52
1008HT	0.105 2,67	0.095 2,41	0.045 1,14		0.080 2,03	0.020 0,51	0.060 1,52
1008LS	0.115 2,92	0.110 2,79	0.080 2,03	0.020 0,51	0.080 2,03	0.020 0,51	0.060 1,52



Air Core Inductors

S-parameters & T-Line models
Available on our web site

These tight tolerance surface mount air core inductors combine the exceptionally high Q of an air wound coil with the convenience of surface mounting. Their flat top makes them suitable for automatic placement and reflow or vapor phase processing. Solder coated leads ensure reliable soldering. The **Square Air Core Inductors** are available in seven sizes and offer Q factors up to 230 and current handling as high as 5.7 Amps. The **GA309x** Inductors have high current ratings and low DCR. The **VS Series** have the highest current ratings and the lowest DCR. These inductors are the perfect solution for high-current IF/RF applications that require non-magnetic parts.

Small Square Inductors

Part number	Inductance ±5% (nH)	Percent tolerance*	Q typ	Test freq (MHz)	SRF typ (GHz)	DCR max (mOhms)	Irms (A)
0806SQ-5N5_LC	5.5	5.2	60	400	4.9	3.4	2.9
0806SQ-6N0_LC	6.0	5.2	64	400	5.2	6.0	2.9
0806SQ-8N9_LC	8.9	5.2	90	400	4.3	7.0	2.9
0806SQ-12N_LC	12.3	5.2	90	400	4.8	8.0	2.9
0806SQ-16N_LC	15.7	5.2	90	400	4.4	9.0	2.9
0806SQ-19N_LC	19.4	5.2	90	400	4.0	10.0	2.9
0807SQ-6N9_LC	6.9	5.2	100	400	4.6	6.0	2.7
0807SQ-10N_LC	10.2	5.2	100	400	4.0	7.0	2.7
0807SQ-11N_LC	11.2	5.2	90	400	3.6	6.3	2.7
0807SQ-14N_LC	13.7	5.2	100	400	4.3	8.0	2.7
0807SQ-17N_LC	17.0	5.2	100	400	4.0	9.0	2.7
0807SQ-22N_LC	22.0	5.2	100	400	3.5	10.0	2.7
0908SQ-8N1_LC	8.1	5.2	130	400	5.2	6.0	4.4
0908SQ-12N_LC	12.1	5.2	130	400	4.3	7.0	4.4
0908SQ-14N_LC	14.7	5.2	90	400	3.0	7.2	4.4
0908SQ-17N_LC	16.6	5.2	130	400	3.4	8.0	4.4
0908SQ-22N_LC	21.5	5.2	130	400	3.7	9.0	4.4
0908SQ-23N_LC	23.0	5.2	120	400	2.6	10.0	4.4
0908SQ-25N_LC	25.0	5.2	130	400	2.5	10.0	4.4
0908SQ-27N_LC	27.3	5.2	130	400	3.2	10.0	4.4

Square Inductors

Part number	Inductance ±5% (nH)	Percent tolerance*	Q typ	Test freq (MHz)	SRF typ (GHz)	DCR max (mOhms)	Irms (A)
1111SQ-27N_EC	27	5.2	200	400	2.60	8.1	5.5
1111SQ-30N_EC	30	5.2	200	400	2.40	8.3	5.5
1111SQ-33N_EC	33	5.2	200	400	2.30	9.5	4.8
1111SQ-36N_EC	36	5.2	200	400	2.30	9.8	4.8
1111SQ-39N_EC	39	5.2	200	400	2.20	10.0	4.8
1111SQ-43N_EC	43	5.2	200	400	2.20	10.8	4.4
1111SQ-47N_EC	47	5.2	200	400	2.20	11.3	4.4
1515SQ-47N_EC	47	5.2	230	400	1.87	6.35	4.9
1515SQ-68N_EC	68	5.2	230	400	2.13	8.60	5.5
1515SQ-82N_EC	82	5.2	230	400	1.79	9.40	5.6
2222SQ-90N_EC	90	5.2	140	50	1.15	5.50	5.0
2222SQ-111_EC	110	5.2	140	50	1.00	6.50	5.7
2222SQ-131_EC	130	5.2	140	50	1.00	7.50	5.4
2222SQ-161_EC	160	5.2	140	50	1.00	8.25	5.7
2222SQ-181_EC	180	5.2	140	50	1.10	9.50	5.0
2222SQ-221_EC	220	5.2	140	50	1.00	11.0	5.0
2222SQ-271_EC	270	5.2	140	50	0.800	12.5	4.3
2222SQ-301_EC	300	5.2	150	50	0.720	13.8	3.7
2929SQ-331_EC	330	5.2	180	50	0.660	12.5	4.7
2929SQ-361_EC	360	5.2	180	50	0.620	13.5	4.5
2929SQ-391_EC	390	5.2	180	50	0.590	14.5	4.4
2929SQ-431_EC	430	5.2	180	50	0.550	15.5	4.2
2929SQ-501_EC	500	5.2	150	50	0.485	16.5	4.3

* When ordering, please replace underscore in part number with the proper tolerance code: G = 2%, J = 5%.
(e.g. 2929SQ-501**G**E C for a 2% tolerance part.)

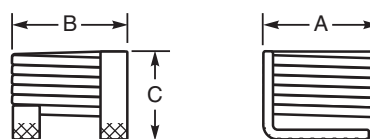
Which chip inductor family should you use?

	Ceramic (SUFFIX, BODY SIZE)				Ferrite (SUFFIX, BODY SIZE)		
Highest Q	DC 0402-0603	HP 0402-0805	HQ 0403-1008	CS 0402-1812	LS 0603-1812		
Lowest DCR	DC 0402-0603	HP 0402-0805	DS 0201		DF 0402	AF 0201-1008	LS 0603-1812
Highest current	HP 0402-0805	PA 0402	HC 0603		DF 0402	AF 0201-1008	LS 0603-1812
Highest L	HL 0201-0603				DF 0402	LS 0603-1812	
Lowest Profile	CT 1005-2520				FL 1005		

VS High Current Inductors

Part number	L ±20% (nH)	Q typ	SRF typ (MHz)	DCR (mOhms)		Irms (A)	
				typ	max	20° rise	40° rise
1010VS-23NMEC	23.5	95	923	1.05	1.20	18.0	26.0
1010VS-46NMEC	46.5	150	526	1.50	1.62	17.9	25.5
1010VS-79NMEC	79.0	135	386	1.95	2.11	17.8	25.0
1010VS-111MEC	111	150	382	2.53	2.73	15.7	22.0
1010VS-141MEC	146	140	433	3.08	3.33	14.1	19.3
1212VS-22NMEC	22.0	200	918	0.48	0.55	40.5	57.0
1212VS-42NMEC	42.0	195	557	0.70	0.77	38.0	52.0
1212VS-66NMEC	66.0	200	480	0.90	0.99	35.0	48.0
1212VS-90NMEC	90.0	175	444	1.10	1.21	33.0	45.0
1212VS-111MEC	117	165	399	1.30	1.43	32.0	44.0
2014VS-33NMEC	33	230	620	0.63	0.74	32.5	43.0
2014VS-66NMEC	66	200	413	0.90	1.00	31.5	42.5
2014VS-111MEC	108	210	320	1.20	1.34	31.0	42.0
2014VS-151MEC	155	205	296	1.44	1.60	29.4	39.7
2014VS-201MEC	202	200	262	1.70	1.82	26.3	35.8
2014VS-251MEC	257	200	230	1.94	2.15	24.9	34.5

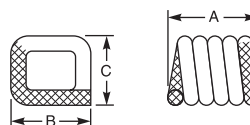
1010VS, 1212VS, 2014VS



Dimensions (inches mm)

Series	A		B		C	
1010VS	0.394	10.0	0.394	10.0	0.142 – 0.240	3.60 – 6.10
1212VS	0.472	12.0	0.453	11.5	0.260 – 0.445	6.60 – 11.3
2014VS	0.770	19.56	0.535	13.60	0.236 – 0.449	5.99 – 11.4

0806SQ, 0807SQ, 0908SQ, 1111SQ, 1515SQ, 2222SQ, 2929SQ



Dimensions (inches mm)

Series	A max		B max		C max	
0806SQ	0.053 – 0.102	1.346 – 2.591	0.072	1.829	0.055	1.397
0807SQ	0.051 – 0.102	1.295 – 2.591	0.072	1.829	0.060	1.524
0908SQ	0.058 – 0.117	1.473 – 2.972	0.084	2.134	0.072	1.829
1111SQ	0.105 – 0.130	2.67 – 3.30	0.105	2.67	0.110	2.79
1515SQ	0.160 – 0.230	4.06 – 5.84	0.140	3.56	0.147	3.73
2222SQ	0.205 – 0.470	5.21 – 11.94	0.215 – 0.225	5.46 – 5.72	0.224	5.69
2929SQ	0.550	14.10	0.295	7.49	0.285	7.24

Q200
125°

Micro



Part number	Turns	L (nH)	Percent tolerance*	Q min	Test freq (MHz)	SRF min (GHz)	DCR max (mOhms)	Irms (A)
0906-2_LC	2	1.65	10,5,2	100	800	10.0	4.0	1.6
0906-3_LC	3	2.55	5,2,1	100	800	8.2	5.0	1.6
0906-4_LC	4	3.85	5,2,1	100	800	7.5	6.0	1.6
0906-5_LC	5	5.40	5,2,1	100	800	7.0	8.0	1.6
1606-6_LC	6	5.60	5,2,1	100	800	6.5	9.0	1.6
1606-7_LC	7	7.15	5,2,1	100	800	6.0	10	1.6
1606-8_LC	8	8.80	5,2,1	100	800	6.0	12	1.6
1606-9_LC	9	9.85	5,2,1	100	800	5.2	13	1.6
1606-10_LC	10	12.55	5,2,1	100	800	4.6	14	1.6

Q200
85°

Low Profile Mini



Part number	Turns	L (nH)	Percent tolerance*	Q min	Test freq (MHz)	SRF min (GHz)	DCR max (mOhms)	Irms (A)
1508-5N5_LC	3	5.5	5,2	115	250	5.0	2.6	4.0
1508-9N0_LC	4	9.0	5,2	120	250	4.0	3.4	4.0
1508-13N_LC	5	13.0	5,2	100	250	3.0	3.9	4.0
2508-16N_LC	7	16.0	5,2	110	250	3.0	5.2	4.0
2508-18N_LC	8	18.0	5,2	110	250	2.9	6.0	4.0
2508-23N_LC	9	23.0	5,2	110	250	2.6	6.8	4.0
2508-27N_LC	10	27.0	5,2	110	250	2.3	7.9	4.0

Q200
125°

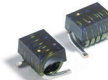
Mini A0xT, B06T



Part number	Turns	L (nH)	Percent tolerance*	Q min	Test freq (MHz)	SRF min (GHz)	DCR max (mOhms)	Irms (A)
A01TKLC	1	2.5	10	145	150	12.5	1.1	4.0
A02T_LC	2	5.0	5,2,1	140	150	6.5	1.8	4.0
A03T_LC	3	8.0	5,2,1	140	150	5.0	2.6	4.0
A04T_LC	4	12.5	5,2,1	137	150	3.3	3.4	4.0
A05T_LC	5	18.5	5,2,1	132	150	2.5	3.9	4.0
B06T_LC	6	17.5	5,2,1	100	150	2.2	4.5	4.0
B07T_LC	7	22.0	5,2,1	102	150	2.1	5.2	4.0
B08T_LC	8	28.0	5,2,1	105	150	1.8	6.0	4.0
B09T_LC	9	35.5	5,2,1	112	150	1.5	6.8	4.0
B10T_LC	10	43.0	5,2,1	106	150	1.2	7.9	4.0

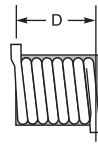
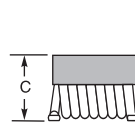
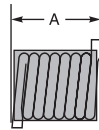
Q200
125°

Midi



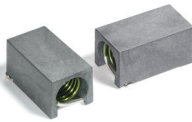
Part number	L (nH)	Percent tolerance*	Q typ	Q min	Test freq (MHz)	SRF min (GHz)	DCR max (mOhms)	Irms (A)
1812SMS-22N_LC	22	5,2	135	100	150	3.2	4.2	3.0
1812SMS-27N_LC	27	5,2	135	100	150	2.7	4.0	3.5
1812SMS-33N_LC	33	5,2	130	100	150	2.5	4.8	3.0
1812SMS-39N_LC	39	5,2	135	100	150	2.1	4.4	3.0
1812SMS-47N_LC	47	5,2	135	100	150	2.1	5.6	3.0
1812SMS-56N_LC	56	5,2	125	100	150	1.5	6.2	3.0
1812SMS-68N_LC	68	5,2	120	100	150	1.5	8.2	2.5
1812SMS-82N_LC	82	5,2	120	100	150	1.3	9.4	2.5
1812SMS-R10_LC	100	5,2	115	100	150	1.2	12.3	1.7
1812SMS-R12_LC	120	5,2	125	100	150	1.1	17.3	1.5
1812SMS-R15_LC	150	5,2	145	100	150	0.75	33.0	1.2

* When ordering, please replace underscore in part number with the proper tolerance code: F = 1%, G = 2%, J = 5%, K = 10%.
(e.g. B10TGLC for a 2% tolerance part.)



Dimensions (inches mm)

Series	A max	B	C max	D	E max
0906	0.095 2,41	0.055±0.010 1,40±0,25	0.060 1,52	0.072±0.010 1,83±0,25	0.135 3,43
1508	0.155 3,94	0.135 3,43	0.079 2,01	0.115±0.010 2,92±0,25	0.165 4,19
1606	0.165 4,19	0.055±0.010 1,40±0,25	0.062 1,58	0.144±0.012 3,66±0,30	0.135 3,43
1812	0.195 4,95	0.140±0.010 3,56±0,25	0.165 4,20	0.170±0.015 4,32±0,39	0.250 6,35
2508	0.270 6,86	0.135 3,43	0.079 2,01	0.230±0.015 5,84±0,25	0.165 4,19
A0xT	0.155 3,94	0.110±0.010 2,80±0,25	0.124 3,15	0.115±0.010 2,92±0,25	0.175 4,45
B0xT	0.270 6,86	0.110±0.010 2,80±0,25	0.124 3,15	0.230±0.015 5,84±0,25	0.175 4,45

Q200
125°**Maxi**

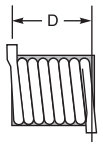
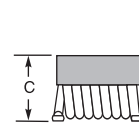
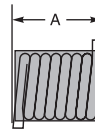
Part number	L (nH)	Percent tolerance*	Q typ	Q min	Test freq (MHz)	SRF min (GHz)	DCR max (mOhms)	Irms (A)
132-09SM_LD	90	5,2	114	95	50	1.140	15	3.5
132-10SM_LD	111	5,2	104	87	50	1.020	15	3.5
132-11SM_LD	130	5,2	104	87	50	0.900	20	3.0
132-12SM_LD	169	5,2	114	95	50	0.875	25	3.0
132-13SM_LD	206	5,2	114	95	50	0.800	30	3.0
132-14SM_LD	222	5,2	110	92	50	0.730	35	3.0
132-15SM_LD	246	5,2	114	95	50	0.685	35	3.0
132-16SM_LD	307	5,2	114	95	50	0.660	35	3.0
132-17SM_LD	380	5,2	114	95	50	0.590	50	2.5
132-18SM_LD	422	5,2	114	95	50	0.540	60	2.5
132-19SM_LD	491	5,2	114	95	50	0.535	65	2.0
132-20SM_LD	538	5,2	104	87	50	0.490	90	2.0

GA309x/WA309x High Current

Part number	L (nH) ±5%	Q typ	Test freq (MHz)	SRF typ (GHz)	DCR max (mOhms)	Irms (A)
GA3092-ALC	3.7	100	150	17.5	2.0	7.0
GA3093-ALC	6.6	100	150	4.0	2.0	7.0
GA3094-ALC	12.0	140	150	2.4	2.0	7.0
GA3095-ALC	17.5	140	150	2.2	2.0	7.0
WA3096-ALC	22.0	160	150	2.6	2.5	7.0
WA3097-ALC	30.0	160	150	2.0	3.0	7.0

Mini 1512SP, 2712SP**NEW!**

Part number	L (nH)	Percent tolerance*	Q min	SRF typ (GHz)	DCR max (mOhm)	Irms max (A)	Weight (mg)
1512SP-2N5K1EC	2.5	10	80	14.0	1.0	11.1	37.8
1512SP-2N7K1EC	2.7	10	80	14.0	3.0	8.4	16.6
1512SP-4N7K2EC	4.7	5,2,1	80	18.0	2.0	9.4	51.3
1512SP-5N6K2EC	5.6	5,2,1	80	18.0	3.2	6.6	33.9
1512SP-6N8K3EC	6.8	5,2,1	80	6.4	2.1	9.8	78.4
1512SP-8N2K3EC	8.2	5,2,1	80	7.2	2.9	7.4	57.2
1512SP-10NK4EC	10.0	5,2,1	80	3.4	2.5	9.2	94.8
1512SP-12NK4EC	12.0	5,2,1	80	4.1	3.5	8.0	80.2
1512SP-15NK4EC	15.0	5,2,1	80	4.5	5.0	5.9	55.8
1512SP-18NK4EC	18.0	5,2,1	80	5.2	9.3	3.7	34.2
1512SP-22NK5EC	22.0	5,2,1	80	3.1	5.3	5.2	64.0
1512SP-27NK5EC	27.0	5,2,1	80	4.2	10.6	3.5	37.5
1512SP-33NK6EC	33.0	5,2,1	80	2.8	8.6	3.9	50.7
1512SP-43NK7EC	43.0	5,2,1	80	2.1	10.6	4.3	55.5
1512SP-51NK7EC	51.0	5,2,1	80	2.1	14.5	2.7	48.0
1512SP-62NK8EC	62.0	5,2,1	80	1.8	15.5	2.7	51.1
2712SP-10NK4EC	10.0	5,2,1	85	6.6	3.1	10.3	89.5
2712SP-12NK5EC	12.0	5,2,1	85	5.8	3.4	7.8	102.5
2712SP-15NK6EC	15.0	5,2,1	85	4.9	3.3	8.2	142.6
2712SP-18NK7EC	18.0	5,2,1	85	3.9	3.5	7.9	156.2
2712SP-22NK7EC	22.0	5,2,1	85	3.9	4.5	7.0	132.4
2712SP-27NK8EC	27.0	5,2,1	85	3.1	5.0	6.6	144.0
2712SP-33NK8EC	33.0	5,2,1	85	3.3	7.4	5.1	98.5
2712SP-39NK9EC	39.0	5,2,1	90	2.7	6.8	4.6	133.3
2712SP-47NK0EC	47.0	5,2,1	90	2.4	8.0	4.8	141.6
2712SP-51NK0EC	51.0	5,2,1	95	2.4	9.25	4.1	117.9
2712SP-56NK0EC	56.0	5,2,1	95	2.6	15.5	2.9	79.3
2712SP-68NK1EC	68.0	5,2,1	100	2.3	16.0	3.1	85.9
2712SP-82NK3EC	82.0	5,2,1	100	1.9	14.7	2.8	118.3
2712SP-101K4EC	100.0	5,2,1	100	1.8	19.0	2.3	103.2
2712SP-121K4EC	120.0	5,2,1	100	1.6	26.5	2.3	87.9
2712SP-151K6EC	150.0	5,2,1	100	1.4	29.0	2.2	95.6

**Dimensions** (inches mm)

Series	A max	B	C max	D	E max
132	0.415 10.55	0.240 ±0.015 6.10 ±0.38	0.235 5.97	0.314 ±0.020 7.98 ±0.51	0.260 6.60
1512±2.5 nH	0.155 3.94	0.110 ±0.010 2.79 ±0.25	0.130 3.30	0.115 ±0.010 2.92 ±0.25	0.175 4.45
1512≥2.7 nH	0.155 3.94	0.110 ±0.010 2.79 ±0.25	0.124 3.15	0.115 ±0.010 2.92 ±0.25	0.175 4.45
2712	0.270 6.86	0.110 ±0.010 2.79 ±0.25	0.124 3.15	0.230 ±0.015 5.84 ±0.38	0.175 4.45
GA309x-AL	0.230 5.84	—	0.210 5.33	0.112 – 0.175 3.05 – 4.45	0.225 5.71
WA309x-AL	0.230 5.84	—	0.210 5.33	0.112 – 0.175 3.05 – 4.45	0.225 5.71

Conical and Broadband Inductors

Coilcraft BCR and BCL conical inductors offer a flat bandwidth with high impedance to 40 GHz, and are ideal for use in bias tees. The BCR has a full-length cap that fully protects the coil and provides a large surface for pick and place. The BCL has "flying leads" that allows adjustment of the mounting angle. The 4310LC has a flat bandwidth to 6 GHz, making it the perfect solution for lower bandwidth, high power applications.

BCL

Part number	Inductance ±5% (µH)	Bandwidth	DCR max (Ohms)	Irms(A) 40°C rise
BCL-221JL	0.22	10MHz–40GHz	0.10	1.20
BCL-531JL	0.53	10MHz–40GHz	0.15	1.06
BCL-122JL	1.20	10MHz–40GHz	1.05	0.270
BCL-162JL	1.65	10MHz–40GHz	0.60	0.490
BCL-232JL	2.35	10MHz–40GHz	1.61	0.270
BCL-272JL	2.75	10MHz–40GHz	0.40	0.675
BCL-632JL	6.35	10MHz–40GHz	0.92	0.480
BCL-652JL	6.50	10MHz–40GHz	0.70	0.650
BCL-802JL	8.00	10MHz–40GHz	3.39	0.230

BCR

Part number	Inductance ±5% (µH)	Bandwidth	DCR max (Ohms)	Irms(A) 40°C rise
BCR-221JLC	0.22	10MHz–40GHz	0.10	1.20
BCR-531JLC	0.53	10MHz–40GHz	0.15	1.06
BCR-122JLC	1.20	10MHz–40GHz	1.05	0.270
BCR-162JLC	1.65	10MHz–40GHz	0.60	0.490
BCR-232JLC	2.35	10MHz–40GHz	1.61	0.270
BCR-272JLC	2.75	10MHz–40GHz	0.40	0.675
BCR-632JLC	6.35	10MHz–40GHz	0.92	0.480
BCR-652JLC	6.50	10MHz–40GHz	0.70	0.650
BCR-802JLC	8.00	10MHz–40GHz	3.39	0.230

1205POC

Part number	Inductance ±20% (µH)	SRF typ (MHz)	DCR (Ohms) max	Isat (mA) at 125°C	Irms (mA) 40°C rise
1205POC-682MRC	6.8	220	0.41	520	880
1205POC-103MRC	10.0	165	1.00	410	560

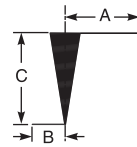
1210POC

Part number	Inductance ±20% (µH)	SRF typ (MHz)	DCR (Ohms) max	Isat (mA) 125°C	Irms (mA) 40°C rise
1210POC-222MRC	2.2	300	0.13	1500	1900
1210POC-682MRC	6.8	120	0.24	800	1360
1210POC-103MRC	10.0	95	0.34	660	1130
1210POC-223MRC	22.0	70	0.88	450	700

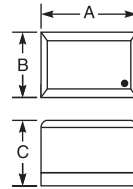
4310LC

Part number	Inductance ±10% (µH)	SRF (typ) (MHz)	Bandwidth	DCR (max) (mOhms)	Irms(A) 40°C rise
4310LC-132KEC	1.30	235	10MHz–6GHz	15.1	4.2
4310LC-352KEC	3.50	188	10MHz–6GHz	49.0	3.1

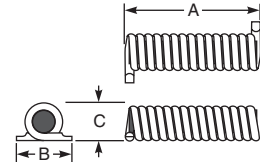
BCL



BCR



4310LC



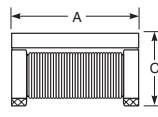
Dimensions (inches mm)

Series	A max	B max	C max
BCL-221	0.166 4,22	0.100 2,54	0.138 3,51
BCL-531	0.166 4,22	0.100 2,54	0.179 4,55
BCL-122	0.166 4,22	0.100 2,54	0.115 2,92
BCL-162	0.166 4,22	0.100 2,54	0.174 4,42
BCL-232	0.166 4,22	0.100 2,54	0.150 3,81
BCL-272	0.275 6,99	0.100 2,54	0.310 7,87
BCL-632	0.275 6,99	0.100 2,54	0.340 8,62
BCL-652	0.390 9,91	0.100 2,54	0.435 11,05
BCL-802	0.180 4,57	0.100 2,54	0.237 6,00

Dimensions (inches mm)

Series	A max	B max	C max
BCR-221	0.220 5,59	0.150 3,81	0.160 4,06
BCR-531	0.220 5,59	0.150 3,81	0.160 4,06
BCR-122	0.120 3,05	0.100 2,54	0.110 2,79
BCR-162	0.220 5,59	0.150 3,81	0.160 4,06
BCR-232	0.220 5,59	0.150 3,81	0.160 4,06
BCR-272	0.440 11,18	0.220 5,59	0.220 5,59
BCR-632	0.440 11,18	0.220 5,59	0.220 5,59
BCR-652	0.440 11,18	0.220 5,59	0.220 5,59
BCR-802	0.220 5,59	0.150 3,81	0.160 4,06
4310LC	0.460 11,68	0.220 4,90	0.140 3,554

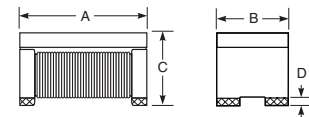
1205POC



Dimensions (inches mm)

Series	A max	B max	C max
1205POC	0.126 3,20	0.055 1,40	0.093 2,36

1210POC



Dimensions (inches mm)

Series	A max	B max	C max
1210POC	0.13 3,30	0.105 2,67	0.118 3,00



SM RFID Transponder Coils

These Coilcraft transponder coils are designed for RFID applications at 125 kHz. The 4312RV and 5315TC were designed to withstand harsh mechanical shock and are well suited for use in tire pressure monitoring systems.

4308RV



Part number	Inductance at 125 kHz (mH)	Percent tol*	Q min	Read distance (inches/cm)	Sensitivity (mV/μT)	Matching capacitor (pF)	DCR max (Ohms)	SRF typ (kHz)
4308RV-374X_LD	0.37	5.2	26	22/55.9	9.82	4380	6.5	1800
4308RV-404X_LD	0.40	5.2	26	23/58.4	10.38	4050	7.1	5000
4308RV-704X_LD	0.70	5.2	20	25/63.5	13.96	2320	19	6600
4308RV-904X_LD	0.90	5.2	22	26/66.0	16.06	1800	21	4800
4308RV-115X_LD	1.08	5.2	24	30/76.2	17.78	1500	24	4300
4308RV-205X_LD	1.97	5.2	28	34/86.4	24.90	823	31	1750
4308RV-245X_LD	2.38	5.2	30	37/94.0	28.21	681	34	1700
4308RV-295X_LD	2.89	5.2	30	37/94.0	32.12	561	42	1900
4308RV-335X_LD	3.30	5.2	30	38/96.5	34.96	491	48	1425
4308RV-415X_LD	4.15	5.2	27	39/99.1	41.35	391	70	1620
4308RV-495X_LD	4.90	5.2	26	38/96.5	47.17	331	93	1150
4308RV-685X_LD	6.80	5.2	28	41/104.1	61.71	238	110	1080
4308RV-715X_LD	7.10	5.2	27	42/106.7	65.60	228	114	1050
4308RV-725X_LD	7.20	5.2	28	40/101.6	66.67	225	114	965
4308RV-815X_LD	8.10	5.2	28	42/106.7	75.08	200	125	965
4308RV-905X_LD	9.00	5.2	30	40/101.6	84.64	180	125	725

* When ordering, please replace underscore in part number with the proper tolerance code:
J = 5%, K = 10%. (e.g. 4308RV-905XGLD for a 2% tolerance part.)

Q200
125°

4312RV Rugged



Part number	Inductance at 125 kHz (mH)	Percent tol	Q min	Read distance (inches/cm)	Sensitivity (mV/μT)	Matching capacitor (pF)	DCR max (Ohms)	SRF typ (kHz)
4312RV-404XGLD	0.40	2	21	19.65/49.91	9.14	4050	11.5	6340
4312RV-105XGLD	1.00	2	21	24.25/61.60	15.26	1621	29	4150
4312RV-245XGLD	2.38	2	26	28.35/72.01	24.72	681	55	2470
4312RV-495XGLD	4.90	2	24	32.85/83.44	42.45	331	103	1270
4312RV-725XGLD	7.20	2	30	35.05/89.03	60.02	225	128	1465
4312RV-905XGLD	9.00	2	32	35.80/91.00	78.10	180	150	1200

2208NF NFMI Antenna Coil



NEW!

Part number	Inductance ±5% (μH)	Q typ @10.579 MHz	SRF typ (MHz)	DCR max (mOhms)	I _{rms} (mA) 15°C rise
2208NF-372XJRC	3.7	80	200	710	410
2208NF-392XJRC	3.9	80	195	740	405

Q200
125°

4513TC High Sensitivity



Part number	Inductance at 125 kHz (mH)	Percent tol	Q min	Read distance (inches/cm)	Sensitivity (mV/μT)	Matching capacitor (pF)	DCR max (Ohms)	SRF typ (kHz)
4513TC-404XGLD	0.40	2	29	23.90/60.71	11.76	4050	9.66	5890
4513TC-105XGLD	1.00	2	33	30.95/78.61	19.80	1621	20.6	3670
4513TC-245XGLD	2.38	2	40	36.75/93.35	32.80	681	39.0	2200
4513TC-495XGLD	4.90	2	44	38.55/97.92	54.76	331	55.8	1551
4513TC-725XGLD	7.20	2	51	44.10/112.01	76.97	225	91.0	1400

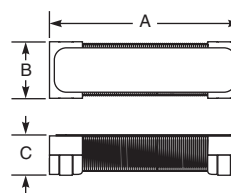
Q200
125°

5315TC Rugged



Part number	Inductance at 125 kHz (mH)	Percent tol	Q min	Read distance (inches/cm)	Sensitivity (mV/μT)	Matching capacitor (pF)	DCR max (Ohms)	SRF typ (kHz)
5315TC-374XGLD	0.37	2	8	16/40.6	8.32	4380	24	7100
5315TC-404XGLD	0.40	2	8	17/43.2	8.67	4050	25	7300
5315TC-704XGLD	0.70	2	12	21/53.3	11.43	2320	33	4500
5315TC-904XGLD	0.90	2	12	21/53.3	13.35	1800	38	3800
5315TC-105XGLD	1.00	2	12	23/58.4	14.07	1600	40	2500
5315TC-115XGLD	1.08	2	13	23/58.4	14.65	1500	40	2300
5315TC-205XGLD	1.97	2	14	25/63.5	21.28	820	70	2300
5315TC-245XGLD	2.38	2	12	26/66.0	23.97	680	80	2400
5315TC-335XGLD	3.30	2	14	27/68.6	29.70	490	95	1800
5315TC-415XGLD	4.15	2	15	29/73.7	34.95	390	103	1260
5315TC-495XGLD	4.90	2	15	28/71.1	40.00	330	150	1550
5315TC-685XGLD	6.80	2	13	30/76.2	53.87	240	180	1350
5315TC-715XGLD	7.10	2	14	30/76.2	55.41	220	176	890
5315TC-725XGLD	7.20	2	17	30/76.2	56.74	220	165	880

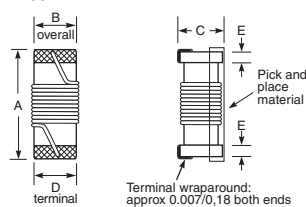
4308RV, 4312RV, 4513TC, 5315TC



Dimensions (inches mm)

Series	A max	B max	C max
4308RV	0.450 11.43	0.108 2.74	0.083 2.10
4312RV	0.448 11.38	0.136 3.45	0.092 2.34
4513TC	0.461 11.70	0.138 3.50	0.102 2.60
5315TC	0.536 13.61	0.150 3.81	0.089 2.26

2208NF



Dimensions (inches mm)

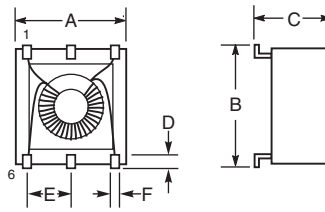
Series	A max	B max	C max
2208NF	0.234 5.95	0.098 2.48	0.087 2.20

SM Wideband RF Transformers

PWB

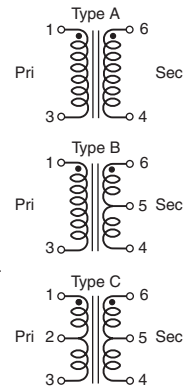


Type	Part number	Imp ratio	Bandwidth (MHz)	I _{rms} (mA)	Insertion loss (dB)	Pins 1-3		Pins 6-4	
						L min (μH)	DCR max (Ohms)	L min (μH)	DCR max (Ohms)
A	PWB-1-ALD	1:1	0.080 - 450	250	0.60	40	0.070	40	0.070
A	PWB-1.5-ALD	1:1.5	0.030 - 300	250	0.35	110	0.080	160	0.110
A	PWB-2-ALD	1:2	0.050 - 200	250	0.25	75	0.088	150	0.120
A	PWB-4-ALD	1:4	0.150 - 500	250	0.50	25	0.075	98	0.135
A	PWB-16-ALD	1:16	0.050 - 80	250	0.35	75	0.260	1250	0.910
A	PWB1010LD	1:1	0.0035 - 125	250	0.20	780	0.320	780	0.320
A	PWB1010-1LD	1:1	0.03 - 250	250	0.20	95	0.200	95	0.200
A	PWB1015LD	1:1.5	0.07 - 225	250	0.40	51	0.130	80	0.145
A	PWB1040LD	1:4	0.15 - 400	250	0.40	25	0.115	95	0.160
B	PWB-1-BLD	1:1	0.130 - 425	250	0.40	22	0.070	22	0.070
B	PWB-1.5-BLD	1:1.5	0.500 - 250	250	0.40	140	0.100	200	0.120
B	PWB-2-BLD	1:2	0.200 - 400	250	0.35	75	0.088	150	0.130
B	PWB-4-BLD	1:4	0.140 - 700	250	0.50	25	0.075	98	0.135
B	PWB-16-BLD	1:16	0.075 - 90	250	0.30	75	0.260	1250	0.910
B	PWB2010LD	1:1	0.0035 - 125	250	0.20	780	0.320	780	0.320
B	PWB2010-1LD	1:1	0.03 - 250	250	0.20	95	0.200	95	0.200
B	PWB2040LD	1:4	0.15 - 400	250	0.40	25	0.115	95	0.160
C	PWB-1-CLD	1:1	0.100 - 300	250	0.60	22	0.070	22	0.070
C	PWB-1.5-CLD	1:1.5	0.150 - 200	250	0.30	140	0.110	200	0.120
C	PWB-2-CLD	1:2	0.130 - 285	250	0.30	75	0.105	150	0.130
C	PWB-4-CLD	1:4	0.140 - 500	250	0.50	25	0.075	98	0.135
C	PWB3010LD	1:1	0.0035 - 125	250	0.20	780	0.320	780	0.320
C	PWB3010-1LD	1:1	0.03 - 250	250	0.20	95	0.200	95	0.200
C	PWB3015LD	1:1.5	0.07 - 225	250	0.40	51	0.130	80	0.145
C	PWB3040LD	1:4	0.15 - 400	250	0.40	25	0.115	95	0.160



Dimensions (inches mm)

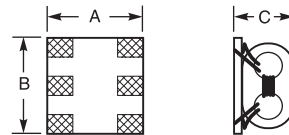
A	B	C	D	E	F
0.256 6,48	0.283 7,2	0.175 4,45	0.04 1,00	0.10 2,54	0.02 0,5



WBC

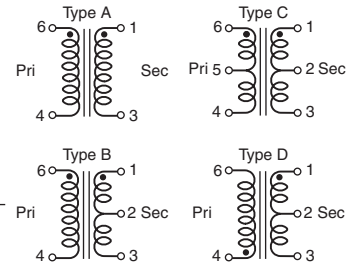


Type	Part number	Imp ratio	Bandwidth (MHz)	Insertion loss max (dB)	Pins 4-6		Pins 1-3	
					L min (μH)	DCR max (mOhms)	L min (μH)	DCR max (mOhms)
A	WBC1-1LC	1:1	0.400-600	0.40	10	120	10	120
B	WBC1-1TLC	1:1	0.250-750	0.58	9.5	75	9.5	75
B	WBC2-1TLC	1:2	0.200-500	0.50	10	120	20	150
B	WBC3-1TLC	1:3	0.300-900	0.60	9	100	27	150
B	WBC4-1TLC	1:4	0.250-750	1.0	9	55	36	120
B	WBC4-14LC	1:4	1.500-1200	2.0	2	50	8	100
B	WBC4-1WLC	1:4	0.500-1000	0.90	5	80	20	120
B	WBC4-6TLC	1:4	0.300-700	0.65	9	80	36	200
D	WBC8-1LC	1:8	0.150-600	0.60	22	120	176	310
B	WBC9-1LC	1:9	0.300-500	0.54	9	80	81	230
B	WBC16-1TLC	1:16	0.600-300	0.80	5	80	80	230
C	WBC4-4LC	1:4	0.250-800	1.0	9	60	36	120



Dimensions (inches mm)

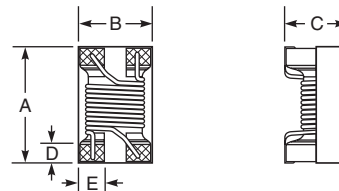
A max	B max	C max
0.175 4,45	0.165 4,19	0.120 3,05



PFD2015

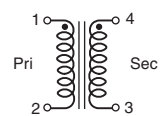


Part number	Imp ratio	Bandwidth (MHz)	I _{rms} (mA)	Insertion loss max (dB)	L/winding (μH)	Test freq (MHz)	DCR max (Ohms)	Isolation (Vrms)
PFD2015-102MEC	1:1	4.6 - 750	1130	0.5	0.80	0.100	0.165	250
PFD2015-122MEC	1:1	4.0 - 730	1060	0.4	0.96	0.100	0.175	250
PFD2015-182MEC	1:1	2.2 - 490	690	0.4	1.44	0.100	0.294	250
PFD2015-272MEC	1:1	1.5 - 410	580	0.4	2.16	0.100	0.477	250
PFD2015-332MEC	1:1	1.2 - 340	525	0.5	2.64	0.100	0.670	250
PFD2015-472MEC	1:1	0.8 - 230	370	0.4	3.76	0.100	1.00	250
PFD2015-682MEC	1:1	0.6 - 200	265	0.5	5.44	0.100	1.75	250
PFD2015-822MEC	1:1	0.5 - 174	210	0.5	6.56	0.100	2.50	250
PFD2015-103MEC	1:1	0.4 - 130	185	0.7	8.00	0.100	3.40	250



Dimensions (inches mm)

Series	A max	B max	C max	D	E
PFD2015	0.090 2,29	0.060 1,52	0.059 1,50	0.014 0,356	0.017 0,342
PFD3215	0.131 3,32	0.092 2,33	0.059 1,50	0.014 0,356	0.025 0,635



PFD3215

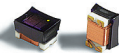


Part number	Imp ratio	Bandwidth (MHz)	I _{rms} (A)	Insertion loss max (dB)	L/winding (μH)	Test freq (MHz)	DCR max (Ohms)	Isolation (Vrms)
PFD3215-391MEC	1:1	12.6 - 645	1.39	0.6	0.31	0.100	0.070	250
PFD3215-102MEC	1:1	4.0 - 500	1.20	0.4	0.80	0.100	0.123	250
PFD3215-182MEC	1:1	2.2 - 300	0.85	0.5	1.4	0.100	0.250	250
PFD3215-222MEC	1:1	2.0 - 370	0.81	0.4	1.7	0.100	0.265	250
PFD3215-332MEC	1:1	1.2 - 310	0.78	0.6	2.6	0.100	0.360	250
PFD3215-472MEC	1:1	0.9 - 250	0.72	0.5	3.7	0.100	0.450	250
PFD3215-682MEC	1:1	0.8 - 150	0.57	0.5	5.4	0.100	0.630	250
PFD3215-103MEC	1:1	0.4 - 150	0.38	0.5	8.0	0.100	1.25	250

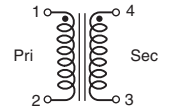
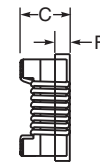
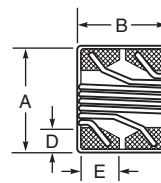


SM/TH Wideband Transformers

1812WBT



Part number	Imp ratio	Bandwidth (MHz)	Irms (mA)	Insertion loss (dB)	L/winding (μH)	Test freq (MHz)	DCR max (Ohms)	Isolation (Vrms)
1812WBT-1LC	1:1	0.340 - 22	200	<1	14	10	4.8	50
1812WBT-2LC	1:1	0.800 - 60	400	<1	5.3	10	1.8	50
1812WBT-3LC	1:1	4 - 200	500	<1	1.25	50	0.7	50
1812WBT-4LC	1:1	11 - 480	700	<1	0.22	50	0.3	50
1812WBT-5LC	1:1	48 - 645	700	<1.5	0.09	50	0.15	50
1812WBT1.5-1LC	1.5:1	1.3 - 100	400	0.5	5.0/3.3	10	1.05/0.87	50
1812WBT1.5-2LC	1.5:1	2.75 - 135	500	0.5	2.5/1.6	10	0.74/0.58	50
1812WBT1.5-3LC	1.5:1	7.2 - 200	500	0.75	1.0/0.6	10	0.43/0.34	50
1812WBT1.5-4LC	1.5:1	38 - 535	700	2.25	0.144/0.090	10	0.18/0.14	50
1812WBT2-1LC	2:1	0.800 - 23	200	<1.5	13.80/6.90	10	4.6/3.2	50
1812WBT2-2LC	2:1	2.2 - 65	400	<1.5	5.850/2.925	10	1.25/0.95	50
1812WBT2-3LC	2:1	4 - 105	600	<1.5	2.60/1.30	10	0.52/0.42	50
1812WBT2-4LC	2:1	11 - 200	700	<1.5	0.910/455	50	0.27/0.23	50



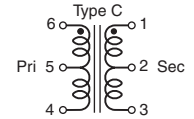
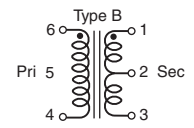
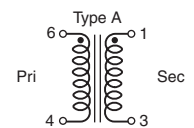
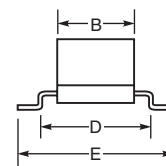
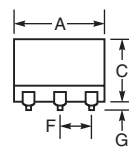
Dimensions (inches mm)

A max	B max	C max	D	E	F
0.195 4,95	0.150 3,81	0.135 3,43	0.030 0,76	0.040 1,02	0.070 1,78

WB, WBT



Type	SM part number	TH part number	Imp ratio	Bandwidth (MHz)	Pins 4-6		Pins 1-3	
					L min (μH)	DCR max (mOhms)	L min (μH)	DCR max (mOhms)
A	WB1-1SLD	WB1-1L	1:1	0.150 - 500	27	75	27	75
A	WB1-6SLD	WB1-6L	1:1	0.100 - 350	25	100	25	100
A	WB1.18-3SLD	WB1.18-3L	1:1.18	0.040 - 300	90	300	108	330
A	WB1.5-6SLD	WB1.5-6L	1:1.5	0.050 - 325	56	120	84	150
A	WB2-1-2WSLD	WB2-1-2WL	1:2	0.080 - 700	38	100	75	150
A	WB2.5-6SLD	WB2.5-6L	1:2.5	0.080 - 225	30	100	75	130
A	WB4-6SLD	WB4-6L	1:4	0.100 - 125	25	100	100	200
A	WB9-1SLD	WB9-1L	1:9	0.125 - 125	25	100	225	250
A	WB16-1SLD	WB16-1L	1:16	0.050 - 100	56	75	896	330
A	WB36-1SLD	WB36-1L	1:36	0.100 - 45	25	50	900	180
B	WB1-1TSLD	WB1-1TL	1:1	0.100 - 375	25	100	25	100
B	WB1-6TSLD	WB1-6TL	1:1	0.050 - 200	70	150	70	150
B	WB2-1TSLD	WB2-1TL	1:2	0.070 - 400	38	100	75	150
B	WB2.5-6TSLD	WB2.5-6TL	1:2.5	0.050 - 125	56	120	140	200
B	WB3-1TSLD	WB3-1TL	1:3	0.040 - 500	96	110	270	200
B	WB4-1HSLD	WB4-1HL	1:4	0.100 - 500	25	120	100	160
B	WB4-6TSLD	WB4-6TL	1:4	0.050 - 200	43	120	172	160
B	WB5-1TSLD	WB5-1TL	1:5	0.050 - 400	48	220	240	500
B	WB8-1TSLD	WB8-1TL	1:8	0.150 - 400	18	100	144	270
B	WB13-1TSLD	WB13-1TL	1:13	0.150 - 125	17	90	221	200
B	WB16-6TSLD	WB16-6TL	1:16	0.050 - 100	56	75	896	330
C	WB1-6SLD	WB1-6L	1:1	0.040 - 200	70	150	70	150
C	WB1.5-1SLD	WB1.5-1L	1:1.5	0.040 - 350	48	150	70	180
C	WB2.5-6SLD	WB2.5-6L	1:2.5	0.050 - 100	70	150	175	200
C	WB4-1SLD	WB4-1L	1:3	0.040 - 150	45	120	135	160
C	WB4-1ASLD	WB4-1AL	1:4	0.040 - 350	96	110	384	220
C	WB16-1SLD	WB16-1L	1:16	0.100 - 100	25	100	400	300
C	WB25-1SLD	WB25-1L	1:25	0.100 - 65	25	100	625	350



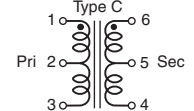
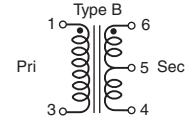
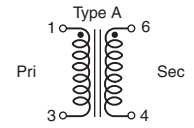
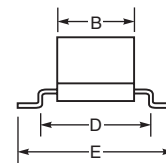
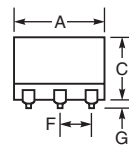
Dimensions (inches mm)

Series	A max	B max	C max	D ref	E	F	G max
SM	0.325 8,26	0.285 7,24	0.225 5,72	0.400 10,16	0.520 13,2	0.10 2,5	0.025 0,64
TH	0.325 8,26	0.285 7,24	0.225 5,72	0.300 7,62			0.10 2,5

SWB



Type	SM part number	TH part number	Imp ratio	Bandwidth (MHz)	Pins 1-3		Pins 6-4	
					L min (μH)	DCR max (mOhms)	L min (μH)	DCR max (mOhms)
A	SWB1010-SMLD	SWB1010-PCL	1:1	0.005 - 100	780	320	780	320
A	SWB1010-1-SMLD	SWB1010-1-PCL	1:1	0.040 - 175	95	200	95	200
A	SWB1015-SMLD	SWB1015-PCL	1.5:1	0.100 - 150	80	145	51	130
A	SWB1040-SMLD	SWB1040-PCL	4:1	0.200 - 300	95	160	25	115
B	SWB2010-SMLD	SWB2010-PCL	1:1	0.005 - 100	780	320	780	320
B	SWB2010-1-SMLD	SWB2010-1-PCL	1:1	0.040 - 175	95	200	95	200
B	SWB2040-SMLD	SWB2040-PCL	4:1	0.200 - 300	95	160	25	115
C	SWB3010-SMLD	SWB3010-PCL	1:1	0.005 - 100	780	320	780	320
C	SWB3010-1-SMLD	SWB3010-1-PCL	1:1	0.040 - 175	95	200	95	200
C	SWB3015-SMLD	SWB3015-PCL	1.5:1	0.100 - 150	80	145	51	130
C	SWB3040-SMLD	SWB3040-PCL	4:1	0.200 - 300	95	160	25	115



Dimensions (inches mm)

Series	A max	B max	C max	D ref	E	F	G max
SM	0.325 8,26	0.285 7,24	0.225 5,72	0.400 10,16	0.520 13,2	0.10 2,5	0.025 0,64
TH	0.325 8,26	0.285 7,24	0.225 5,72	0.300 7,62			0.10 2,5



XAL40xx High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL4020-221MEC	0.22	5.81	6.40	191	18.7	12.0	16.8
XAL4020-401MEC	0.40	7.55	8.30	145	12.5	10.0	14.0
XAL4020-601MEC	0.60	9.50	10.45	106	10.4	7.9	11.7
XAL4020-102MEC	1.0	13.25	14.60	79	8.7	6.7	9.6
XAL4020-122MEC	1.2	17.75	19.50	69	7.9	6.6	9.0
XAL4020-152MEC	1.5	21.45	23.60	64	7.1	5.2	7.5
XAL4020-222MEC	2.2	35.20	38.70	52	5.6	4.0	5.5
XAL4030-332MEC	3.3	26.0	28.6	43	5.9	5.0	6.6
XAL4030-472MEC	4.7	40.1	44.1	36	4.6	3.9	5.1
XAL4030-682MEC	6.8	67.4	74.1	29	3.6	3.0	3.9
XAL4040-822MEC	8.2	60.8	66.9	27	4.0	2.4	3.4
XAL4040-103MEC	10	84.0	92.4	24	3.0	2.2	3.1
XAL4040-153MEC	15	109	120	20	2.9	2.0	2.8



XAL5020 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL5020-161MEC	0.16	4.11	5.00	205	24.2	13.9	18.8
XAL5020-331MEC	0.33	6.40	7.68	110	17.1	10.5	14.4
XAL5020-561MEC	0.56	8.30	9.54	80	14.1	9.9	13.9
XAL5020-801MEC	0.80	10.3	11.8	64	12.0	9.4	13.0
XAL5020-122MEC	1.2	17.8	20.5	50	9.5	6.8	9.4



XAL5030/5050 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL5030-161MEC	0.16	2.15	2.36	183	31.0	14.2	22.2
XAL5030-331MEC	0.33	3.20	3.52	108	26.0	13.8	19.2
XAL5030-601MEC	0.60	4.11	4.52	75	19.8	13.6	17.7
XAL5030-801MEC	0.80	5.14	5.65	63	18.5	10.0	13.0
XAL5030-102MEC	1.0	8.50	9.40	68	14.0	8.7	11.1
XAL5030-122MEC	1.2	11.40	12.40	45	12.5	7.9	10.4
XAL5030-222MEC	2.2	13.20	14.50	38	9.2	7.2	9.7
XAL5030-332MEC	3.3	21.20	23.30	28	8.7	5.9	8.1
XAL5030-472MEC	4.7	36.00	40.00	23	6.7	4.3	5.9
XAL5050-562MEC	5.6	23.45	25.80	25	6.3	5.3	7.2
XAL5050-682MEC	6.8	26.75	29.45	21	6.0	4.7	6.4
XAL5050-822MEC	8.2	31.75	34.95	18	5.6	4.5	6.1
XAL5050-103MEC	10	40.90	45.00	15	4.9	3.6	4.9
XAL5050-153MEC	15	69.70	76.70	13	3.7	2.9	3.9
XAL5050-223MEC	22	90.60	99.65	11	3.6	2.5	3.4



XAL6030/6060 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL6030-181MEC	0.18	1.59	1.75	141	39.0	24	32
XAL6030-331MEC	0.33	2.30	2.53	89	30.0	20	25
XAL6030-561MEC	0.56	3.01	3.31	61	29.0	17	22
XAL6030-102MEC	1.0	5.62	6.18	50	23.0	13	18
XAL6030-122MEC	1.2	6.82	7.50	43	22.0	12	16
XAL6030-182MEC	1.8	9.57	10.52	34	18.2	10	14
XAL6030-222MEC	2.2	12.70	13.97	30	15.9	7.0	10
XAL6030-332MEC	3.3	19.92	20.81	26	12.2	6.0	8.0
XAL6060-472MEC	4.7	13.10	14.40	21	10.5	8.0	11
XAL6060-562MEC	5.6	14.46	15.90	20	9.9	7.5	10
XAL6060-682MEC	6.8	18.90	20.80	18	9.2	7.0	9.0
XAL6060-822MEC	8.2	24.00	26.40	16	8.4	6.0	8.0
XAL6060-103MEC	10	27.00	29.82	14	7.6	5.0	7.0
XAL6060-153MEC	15	39.77	43.75	11	5.8	4.5	6.0
XAL6060-223MEC	22	55.12	60.63	9	5.6	3.6	5.0
XAL6060-333MEC	33	95.68	105.0	7	3.7	2.7	3.6



XAL6020 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL6020-121MEC	0.12	1.60	1.85	165	45	21.0	27.0
XAL6020-161MEC	0.16	2.35	2.70	152	41	20.0	26.0
XAL6020-271MEC	0.27	3.45	3.85	97	29.5	19.0	25.0
XAL6020-451MEC	0.45	4.60	5.05	73	24.5	17.0	22.0
XAL6020-601MEC	0.60	6.45	7.10	66	20.5	15.0	18.5
XAL6020-901MEC	0.90	10.63	11.10	56	19.1	11.5	15.2
XAL6020-112MEC	1.1	12.60	13.10	50	17.1	10.0	12.0



XAL7020 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL7020-151MEC	0.15	1.9	2.5	161	46.0	18	24
XAL7020-271MEC	0.27	2.9	3.8	112	30.0	15	21
XAL7020-331MEC	0.33	4.0	5.2	88	28.0	14	20
XAL7020-471MEC	0.47	5.3	6.4	72	24.3	12	17
XAL7020-681MEC	0.68	7.9	9.5	54	22.3	10	13
XAL7020-102MEC	1.0	9.8	10.8	46	16.4	8.0	11
XAL7020-122MEC	1.2	11.5	12.8	42	14.5	7.0	10
XAL7020-152MEC	1.5	17.6	19.3	37	15.0	6.0	9.0
XAL7020-222MEC	2.2	28.7	31.6	29	13.6	5.0	7.0



XAL7030 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL7030-161MEC	0.16	1.15	1.26	158	60.0	24.9	32.5
XAL7030-301MEC	0.30	1.75	1.92	101	41.0	21.0	27.6
XAL7030-601MEC	0.60	3.00	3.30	72	36.0	18.0	23.0
XAL7030-102MEC	1.0	4.55	5.00	52	28.0	16.1	21.8
XAL7030-152MEC	1.5	7.60	8.36	39	23.5	11.9	15.0
XAL7030-222MEC	2.2	13.7	15.07	29	18.0	10.0	12.9
XAL7030-272MEC	2.7	15.7	17.30	32	12.8	9.2	11.4
XAL7030-332MEC	3.3	19.5	21.45	25	12.3	8.0	10.0
XAL7030-472MEC	4.7	26.1	30.00	21	10.1	6.9	9.0
XAL7030-562MEC	5.6	28.1	32.32	17	9.8	5.3	7.3
XAL7030-682MEC	6.8	45.0	51.75	15	8.7	4.4	6.8
XAL7030-822MEC	8.2	53.0	60.94	13	8.4	2.9	5.9
XAL7030-103MEC	10	60.4	69.46	12	7.7	2.6	5.3

XAR7030 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		typ	max			20°C rise	40°C rise
XAR7030-161MEC	0.16	1.26	1.40	158	60.0	13.5	18.6
XAR7030-301MEC	0.30	1.75	1.92	101	41.0	13.5	18.6
XAR7030-501MEC	0.50	3.00	3.30	72	36.0	13.5	17.5
XAR7030-102MEC	1.0	4.55	5.00	49	28.0	10.0	14.0
XAR7030-132MEC	1.3	7.60	8.36	51	23.5	8.0	11.0
XAR7030-222MEC	2.2	13.70	15.07	40	18.0	6.2	8.7
XAR7030-272MEC	2.7	15.70	17.30	29	12.8	4.9	7.1
XAR7030-332MEC	3.3	19.50	21.45	29	12.3	4.8	6.5
XAR7030-472MEC	4.7	26.10	30.00	21	10.1	4.0	5.7
XAR7030-562MEC	5.6	28.10	32.32	17	9.8	4.0	5.7
XAR7030-682MEC	6.8	45.00	51.57	15	8.7	3.0	4.1
XAR7030-822MEC	8.2	53.00	60.95	15	8.4	2.9	4.0
XAR7030-103MEC	10	60.40	69.46	12	7.7	2.1	4.0



XAL7050 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL7050-103MEC	10	25	29	12.1	7.1	6.3	8.5
XAL7050-153MEC	15	35	41	10.3	6.4	5.1	7.0
XAL7050-183MEC	18	43	50	9.3	6.2	4.5	6.2
XAL7050-223MEC	22	60	70	8.6	5.5	4.0	5.0
XAL7050-333MEC	33	75	85	6.7	4.1	3.4	4.6
XAL7050-473MEC	47	105	120	6.0	3.5	2.5	3.5

Q200
125°**XAL7070 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL7070-161MEC	0.16	0.75	0.83	207	78.0	30.5	36.1
XAL7070-301MEC	0.30	1.06	1.17	135	55.6	26.1	33.4
XAL7070-551MEC	0.55	1.42	1.56	89	43.0	23.5	29.0
XAL7070-651MEC	0.65	1.75	1.93	74	40.0	21.0	26.5
XAL7070-801MEC	0.80	2.08	2.29	67	37.8	20.8	25.8
XAL7070-102MEC	1.0	2.55	2.81	64	34.8	20.0	25.0
XAL7070-122MEC	1.2	3.10	3.41	43	31.2	16.2	21.6
XAL7070-182MEC	1.8	4.05	4.46	43	25.0	15.8	21.0
XAL7070-222MEC	2.2	5.73	6.33	35	19.6	13.2	17.8
XAL7070-332MEC	3.3	8.56	9.42	32	19.4	11.5	15.1
XAL7070-472MEC	4.7	12.96	14.26	26	15.2	10.5	13.6
XAL7070-562MEC	5.6	13.67	15.03	21	13.0	8.5	11.4
XAL7070-682MEC	6.8	17.84	19.62	20	12.8	6.8	9.2
XAL7070-223MEC	22	42.26	48.60	8.6	5.3	5.0	6.7
XAL7070-473MEC	47	84.41	97.07	5.7	4.2	3.1	4.1

Q200
125°**XAL8050 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL8050-223MEC	22	50.4	71	7.5	6.2	3.7	5.2

Q200
125°**XAL8080 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL8080-681MED	0.68	1.38	1.65	70.00	38.0	27.0	37.0
XAL8080-102MED	1.0	2.11	2.33	49.22	31.3	24.9	34.1
XAL8080-222MED	2.2	4.08	4.49	36.73	24.0	16.0	21.5
XAL8080-472MED	4.7	8.89	9.77	24.14	17.4	10.5	14.6
XAL8080-682MED	6.8	13.2	14.5	20.64	14.0	8.0	11.3
XAL8080-103MED	10	21.0	23.1	15.63	10.9	6.6	8.7
XAL8080-223MED	22	32.5	37.4	8.2	5.9	5.5	7.5
XAL8080-473MED	47	73.3	84.3	5.7	4.1	3.5	4.7

Q200
125°**XAL1010 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL1010-221MED	0.22	0.45	0.50	115	98.8	41.0	55.5
XAL1010-451MED	0.45	0.65	0.72	66	70.5	40.0	53.0
XAL1010-681MED	0.68	0.87	0.96	53	62.0	36.0	48.0
XAL1010-102MED	1.0	1.00	1.10	42	55.0	32.0	43.5
XAL1010-152MED	1.5	1.60	1.76	33	36.6	31.0	40.5
XAL1010-222MED	2.2	2.55	2.80	22	34.0	24.5	32.0
XAL1010-332MED	3.3	3.70	4.10	21	27.4	18.2	25.0
XAL1010-472MED	4.7	5.20	5.70	19	25.4	17.5	24.0
XAL1010-562MED	5.6	6.30	6.93	16	23.6	15.7	21.2
XAL1010-682MED	6.8	8.10	8.90	14	21.8	14.0	18.5
XAL1010-822MED	8.2	11.70	12.90	12	18.3	12.9	17.1
XAL1010-103MED	10	13.40	14.75	11	17.5	11.5	15.5
XAL1010-153MED	15	16.90	18.60	9	15.5	9.9	13.8

Q200
125°**XAL1030 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL1030-161MEC	0.16	1.10	1.21	120	88.0	28.0	42.0
XAL1030-301MEC	0.30	1.55	1.70	78	68.0	25.5	35.0
XAL1030-561MEC	0.56	2.50	2.75	53	44.0	23.0	32.0
XAL1030-102MEC	1.0	4.50	4.95	41	35.0	16.0	23.0

Q200
125°**XAL1060 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL1060-181MEC	0.18	0.50	0.55	68	120	28.8	46.0
XAL1060-401MEC	0.40	0.80	0.88	60	82	25.9	36.8
XAL1060-681MEC	0.68	1.35	1.50	51	52	22.4	33.9
XAL1060-122MEC	1.2	2.50	2.75	44	43	17.9	26.3
XAL1060-152MEC	1.5	3.00	3.30	36	36	16.0	24.4
XAL1060-222MEC	2.2	4.50	4.95	25	32	13.9	20.0
XAL1060-332MEC	3.3	7.20	7.92	19	26	11.2	16.8
XAL1060-472MEC	4.7	9.75	10.72	16	25	8.5	14.0

Q200
125°**XAL1350 High Current**

Part number	Inductance ±20% (µH)	Percent Tolerance*	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
			typ	max			20°C rise	40°C rise
XAL1350-631MED	0.63	30,20	1.50	1.70	50	74	28	38
XAL1350-931MED	0.93	30,20	2.00	2.20	42	60	25	33
XAL1350-132MED	1.3	30,20	2.50	2.70	33	56	23	32
XAL1350-222MED	2.2	30,20	4.16	4.80	23	46	19	24
XAL1350-302MED	3.0	30,20	5.86	6.80	19	37	16	21

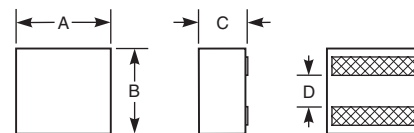
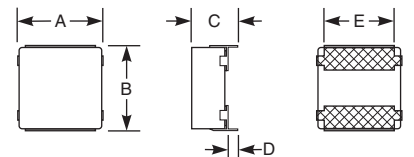
* Bold numbers indicate tolerances carried in stock. When ordering, please replace underscore in part number with the proper tolerance code: N = 30%, M = 20%. (e.g. XAL1350-302**N**ED for a 30% tolerance part.)

Q200
125°**XAL1510 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL1510-472MED	4.7	3.35	3.80	12.7	39.0	21	29
XAL1510-682MED	6.8	4.17	4.60	11.5	36.0	19	26
XAL1510-822MED	8.2	6.00	7.50	10.8	30.0	18	24
XAL1510-103MED	10	6.80	9.00	10.1	26.3	16	22
XAL1510-153MED	15	9.17	12.4	8.0	23.0	13	18
XAL1510-223MED	22	14.5	16.0	6.3	18.7	10.5	14
XAL1510-333MED	33	18.7	20.0	5.8	16.7	8.6	12

Q200
125°**XAL1580 High Current**

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 30% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
XAL1580-401MED	0.40	0.50	0.70	53.0	111	47.0	60.0
XAL1580-741MED	0.74	0.72	0.86	35.1	86.0	43.2	59.7
XAL1580-102MED	1.0	0.93	1.12	30.0	73.5	40.6	57.5
XAL1580-132MED	1.3	1.15	1.38	26.2	65.0	34.6	46.7
XAL1580-182MED	1.8	1.61	1.93	21.3	57.0	33.2	43.8
XAL1580-202MED	2.0	1.91	2.29	20.1	51.0	29.5	39.9
XAL1580-302MED	3.0	2.62	3.10	16.0	43.0	25.6	34.4
XAL1580-452MED	4.5	3.82	4.58	12.5	34.2	20.4	27.0
XAL1580-532MED	5.3	4.35	5.22	11.8	33.0	19.5	26.5
XAL1580-612MED	6.1	5.66	6.79	11.7	31.0	16.9	22.6

XALxxxx**XAR7030****Dimensions** (inches mm)

Series	Amax	Bmax	Cmax	D	E
XAL1010	0.465 11.8	0.414 10.5	0.394 10.0	0.175 4.45	
XAL1030	0.465 11.8	0.414 10.5	0.122 3.1	0.175 4.45	
XAL1060	0.465 11.8	0.414 10.5	0.236 6.0	0.175 4.45	
XAL1350	0.559 14.2	0.520 13.2	0.197 5.0	0.238 6.05	
XAL1510	0.646 16.4	0.606 15.4	0.394 10.0	0.234 5.95	
XAL1580	0.646 16.4	0.606 15.4	0.315 8.0	0.234 5.95	
XAL4020	0.169 4.3	0.169 4.3	0.083 2.10	0.063 1.6	
XAL4030	0.169 4.3	0.169 4.3	0.122 3.10	0.063 1.6	
XAL4040	0.169 4.3	0.169 4.3	0.161 4.10	0.063 1.6	
XAL5020	0.224 5.50	0.216 5.30	0.079 2.0	0.091 2.31	
XAL5030	0.224 5.50	0.216 5.30	0.122 3.1	0.091 2.31	
XAL5050	0.224 5.50	0.216 5.30	0.201 5.1	0.091 2.31	
XAL6020	0.266 6.76	0.258 6.56	0.083 2.1	0.110 2.79	
XAL6030	0.266 6.76	0.258 6.56	0.122 3.10	0.110 2.79	
XAL6060	0.266 6.76	0.258 6.56	0.242 6.10	0.110 2.79	
XAL7020	0.315 8.0	0.315 8.0	0.079 2.0	0.123 3.12	
XAL7030	0.315 8.0	0.315 8.0	0.122 3.1	0.123 3.12	
XAL7050	0.315 8.0	0.303 7.7	0.197 5.0	0.123 3.12	
XAL7070	0.303 7.7	0.315 8.0	0.276 7.0	0.123 3.12	
XAL8050	0.359 9.1	0.339 8.6	0.197 5.0	0.140 3.56	
XAL8080	0.327 8.3	0.347 8.8	0.315 8.0	0.140 3.56	
XAR7030	0.535 9.0	0.535 9.0	0.377 9.0	0.059 1.5	0.256 6.5

SER80xx High Current



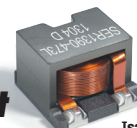
SER800XX High Current					Isat (A)			Irms (A)	
Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	10° drop	20° drop	30° drop	20°C rise	40°C rise
High Isat for high peak current applications									
SER8050-451MEC	0.45	3.19	3.50	216	29.52	30.32	31.12	7.95	11.72
SER8050-811MEC	0.80	5.35	5.88	125	22.48	24.40	25.20	6.48	9.43
SER8052-122MEC	1.2	6.44	7.20	110	17.42	18.54	19.18	6.03	8.11
SER8052-182MEC	1.8	8.64	9.50	91	13.60	14.56	14.88	5.33	7.94
SER8052-242MEC	2.4	8.64	9.50	76	10.36	11.38	11.80	5.40	7.58
SER8052-332MEC	3.2	13.03	14.33	72	9.02	9.84	10.24	4.43	6.25
SER8052-402MEC	4.0	13.03	14.33	66	7.04	7.84	8.24	4.53	6.30

Low DCR for high average current applications

SER8050-501MEC	0.50	2.22	2.50	234	19.40	22.02	22.68	9.78	13.52
SER8050-112MEC	1.1	3.19	3.50	109	12.22	13.86	14.50	8.05	11.97
SER8050-202MEC	2.0	5.35	5.88	74	7.94	9.22	9.78	7.83	10.79
SER8052-312MEC	3.1	6.44	7.20	63	6.58	7.56	8.00	6.26	8.71
SER8052-452MEC	4.5	8.64	9.50	52	4.76	5.74	6.14	5.37	7.68
SER8052-612MEC	6.1	8.64	9.50	45	3.44	4.22	4.58	5.17	7.31
SER8052-802MEC	8.0	13.03	14.33	43	2.90	3.58	3.86	4.57	6.31
SER8052-103MEC	10	13.03	14.33	40	2.24	2.80	3.10	4.61	6.32



SER1390 High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
SER1390-103MLD	10	13.7	15.0	26.9	11.32	12.56	13.16	6.4	9.2
SER1390-153MLD	15	13.7	15.0	24.3	7.20	8.04	8.60	6.4	9.2
SER1390-223MLD	22	21.0	23.1	20.3	6.08	6.80	7.36	5.7	7.7
SER1390-333MLD	33	21.0	23.1	15.7	3.80	4.40	4.76	5.7	7.7
SER1390-473MLD	47	21.0	23.1	13.2	2.60	3.00	3.20	5.7	7.7

SER14xx High Current



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
Low DCR for high average current applications									
SER1408-301MED	0.30	0.48	0.55	140	43.2	49.6	53.0	38	42
SER1408-501MED	0.50	0.48	0.55	83	25.8	29.6	31.4	38	42
SER1408-681MED	0.68	0.48	0.55	63	18.8	21.6	23.2	38	42
SER1408-102MED	1.0	0.48	0.55	48	12.1	14.2	16.1	38	42
SER1410-152MED	1.5	0.90	0.99	53	16.8	18.9	20.3	33	39
SER1410-202MED	2.0	0.90	0.99	45	12.1	13.9	15.0	33	39

High Isat for high peak current applications

SER1412-301MED	0.30	1.30	1.43	154	87.0	92.8	105.9	30	37
SER1412-501MED	0.50	1.30	1.43	122	56.1	59.3	62.5	30	37
SER1412-681MED	0.68	1.30	1.43	100	41.2	43.5	45.8	30	37
SER1412-102MED	1.0	1.30	1.43	78	28.9	31.0	32.2	30	37
SER1412-152MED	1.5	1.30	1.43	62	21.8	23.6	24.6	30	37
SER1412-202MED	2.0	1.30	1.43	50	16.9	18.5	19.4	30	37
SER1412-362MED	3.6	1.30	1.43	35	9.6	11.2	12.1	30	37



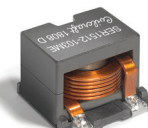
SER1052 High Current



Part number	Inductance ±20% (µH)	DCR max (mΩhms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
SER1052-801MLC	0.80	4.0	100	24.9	25.2	25.6	12.5	16.3
SER1052-102MLC	1.0	4.0	95	16.5	17.0	17.5	12.5	16.3
SER1052-122MLC	1.2	6.0	91	20.5	21.0	21.3	11.0	15.0
SER1052-132MLC	1.3	4.0	81	12.9	16.8	17.2	12.5	16.3
SER1052-152MLC	1.5	6.0	75	13.5	14.0	14.5	11.0	15.0
SER1052-182MLC	1.8	6.0	70	13.3	13.8	14.3	11.0	15.0
SER1052-202MLC	2.0	9.0	65	15.3	15.8	16.2	8.5	11.5
SER1052-222MLC	2.2	4.0	58	8.9	9.6	10.0	12.5	16.3
SER1052-252MLC	2.5	7.5	55	11.4	11.8	12.1	9.0	12.0
SER1052-322MLC	3.2	6.0	53	7.3	7.8	8.5	11.0	15.0
SER1052-402MLC	4.0	9.0	47	8.3	8.5	8.8	8.5	11.5
SER1052-432MLC	4.3	7.5	44	6.4	6.8	7.0	9.0	12.0
SER1052-572MLC	5.7	9.0	35	5.4	5.8	6.0	8.5	11.5



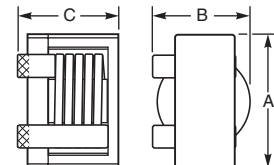
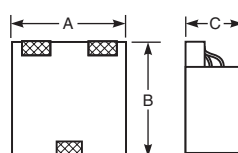
SER1512 Shielded



Part number	Inductance ±20% (µH)	DCR (mΩhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
SER1512-472MED	4.7	2.8	3.1	32.4	18.3	19.6	20.1	11.4	18.1
SER1512-103MED	10	3.3	3.7	22.3	9.3	10.6	11.3	9.3	15.7
SER1512-223MED	22	7.6	8.4	14.0	6.8	7.6	8.0	7.1	11.8

SER1052, SER1360, SER1390,
SER1512, SER8050, SER8052

SER1408, SER1410, SER1412

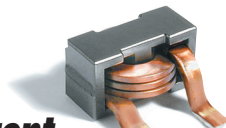


Dimensions (inches mm)

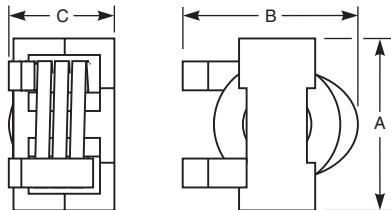
Series	A max	B max	C max
SER1052	0.402 10.2	0.433 11.0	0.205 5.2
SER1360	0.508 12.9	0.512 13.0	0.228 5.8
SER1390	0.508 12.9	0.512 13.0	0.354 9.0
SER1408	0.66 14.24	0.473 12.0	0.320 8.26
SER1410	0.66 14.24	0.473 12.0	0.416 10.56
SER1412	0.66 14.24	0.473 12.0	0.498 12.66
SER1512	0.598 15.2	0.606 15.4	0.472 12.0
SER8050	0.335 8.05	0.346 8.80	0.197 5.0
SER8052	0.335 8.05	0.346 8.80	0.205 5.2



SER1590 High Current



Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)
		nom	max		10% drop	20% drop	30% drop	
SER1590-301MLD	0.30	0.66	0.72	260	53	56	57	32
SER1590-501MLD	0.50	0.87	0.94	202	39	42	44	27
SER1590-601MLD	0.60	0.87	0.94	182	33	35	36	27
SER1590-681MLD	0.68	0.87	0.94	160	30	32	33	27
SER1590-801MLD	0.80	0.87	0.94	123	25	26	27	27
SER1590-901MLD	0.90	1.08	1.15	160	27	28	29	22
SER1590-102MLD	1.0	0.87	0.94	115	20	22	23	27
SER1590-122MLD	1.2	1.08	1.15	90	20	22	23	22
SER1590-152MLD	1.5	1.08	1.15	73	17	18	19	22



Dimensions (inches mm)

Series	A max	B max	C max
SER1590	0.62 15.75	0.64 16.26	0.40 10.16
SER2009	0.79 20.07	0.77 19.56	0.34 8.64
SER2010	0.79 20.07	0.77 19.56	0.37 9.40
SER2011	0.79 20.07	0.77 19.56	0.42 10.67
SER2012	0.79 20.07	0.77 19.56	0.47 11.94
SER2013	0.79 20.07	0.77 19.56	0.51 12.95
SER2014	0.79 20.07	0.77 19.56	0.55 13.97

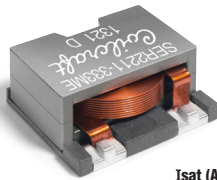


SER2000 High Current

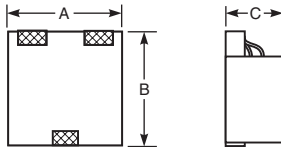


Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A) 10% drop	Irms (A)	
		nom	max			20°C rise	40°C rise
SER2009-301MLD	0.30	0.740	0.630	550	100	41	54
SER2010-301MLD	0.30	1.00	0.900	182	100	36	45
SER2009-501MLD	0.50	0.740	0.630	544	60	41	54
SER2010-501MLD	0.50	1.00	0.900	148	81	36	45
SER2011-501MLD	0.50	1.34	1.20	161	100	30	40
SER2009-601MLD	0.60	0.740	0.630	648	49	41	54
SER2010-601MLD	0.60	1.00	0.900	115	70	36	45
SER2011-601MLD	0.60	1.34	1.20	124	90	30	40
SER2012-601MLD	0.60	1.60	1.44	115	97	25	35
SER2009-681MLD	0.68	0.740	0.630	454	45	41	54
SER2010-681MLD	0.68	1.00	0.900	136	62	36	45
SER2011-681MLD	0.68	1.34	1.20	135	78	30	40
SER2012-681MLD	0.68	1.60	1.44	103	85	25	35
SER2013-681MLD	0.68	1.82	1.70	104	98	23	30
SER2009-801MLD	0.80	0.740	0.630	567	38	41	54
SER2010-801MLD	0.80	1.00	0.900	92	53	36	45
SER2011-801MLD	0.80	1.34	1.20	113	70	30	40
SER2012-801MLD	0.80	1.60	1.44	91	75	25	35
SER2013-801MLD	0.80	1.82	1.70	93	85	23	30
SER2014-801MLD	0.80	2.15	1.94	104	98	21	27
SER2009-901MLD	0.90	0.740	0.630	557	33	41	54
SER2010-901MLD	0.90	1.00	0.900	96	48	36	45
SER2011-901MLD	0.90	1.34	1.20	104	62	30	40
SER2012-901MLD	0.90	1.60	1.44	85	69	25	35
SER2013-901MLD	0.90	1.82	1.70	98	73	23	30
SER2014-901MLD	0.90	2.15	1.94	102	87	21	27
SER2009-102MLD	1.0	0.740	0.630	488	29	41	54
SER2010-102MLD	1.0	1.00	0.900	81	42	36	45
SER2011-102MLD	1.0	1.34	1.20	97	56	30	40
SER2012-102MLD	1.0	1.60	1.44	75	64	25	35
SER2013-102MLD	1.0	1.82	1.70	98	68	23	30
SER2014-102MLD	1.0	2.15	1.94	88	70	21	27
SER2009-122MLD	1.2	0.740	0.630	81	28	41	54
SER2010-122MLD	1.2	1.00	0.900	69	37	36	45
SER2011-122MLD	1.2	1.34	1.20	81	49	30	40
SER2012-122MLD	1.2	1.60	1.44	73	54	25	35
SER2013-122MLD	1.2	1.82	1.70	82	58	23	30
SER2014-122MLD	1.2	2.15	1.94	78	63	21	27
SER2009-202MLD	2.0	0.740	0.630	40	16	41	54
SER2010-202MLD	2.0	1.00	0.900	48	27	36	45
SER2011-202MLD	2.0	1.34	1.20	56	37	30	40
SER2012-202MLD	2.0	1.60	1.44	51	35	25	35
SER2013-202MLD	2.0	1.82	1.70	61	40	23	30
SER2014-202MLD	2.0	2.15	1.94	62	45	21	27
SER2013-362MLD	3.6	1.82	1.70	38	25	23	30
SER2013-402MLD	4.0	1.82	1.70	35	20	23	30
SER2014-402MLD	4.0	2.15	1.94	36	25	21	27
SER2013-472MLD	4.7	1.82	1.70	30	18	23	30

SER2211 Shielded



Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
SER2211-302MED	3.0	1.05	1.20	29.0	23.5	26.0	27.5	25.0	35.0
SER2211-532MED	5.3	1.63	1.80	24.0	15.8	18.0	19.0	19.8	26.0
SER2211-822MED	8.2	2.30	2.76	18.0	13.4	15.0	15.8	13.9	18.5
SER2211-123MED	12.0	3.15	3.78	15.0	11.1	12.4	13.0	11.4	16.0
SER2211-273MED	27.0	6.84	8.21	12.0	7.7	8.5	8.9	9.4	13.1
SER2211-333MED	33.0	8.95	10.7	11.0	7.1	8.0	8.3	7.6	10.6
SER2211-473MED	47.0	8.95	10.7	8.0	4.4	5.2	5.6	7.6	10.6

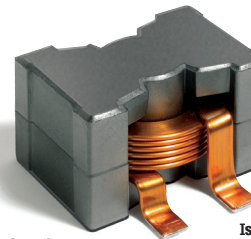


Dimensions (inches mm)

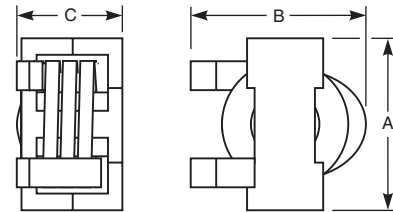
Series	A max	B max	C max
SER2211	0.886 22,5	0.756 19,2	0.413 10,5



SER2900 High Current



Part number	Inductance ±10% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
SER2915L-152KL	1.5	1.50	1.65	60	100	>100	>100	20	30
SER2915H-222KL	2.2	1.86	2.05	40	100	>100	>100	20	30
SER2915L-222KL	2.2	1.50	1.65	50	82.0	84.0	84.8	20	30
SER2918H-332KL	3.3	2.60	2.86	40	91.0	92.5	93.6	20	28
SER2915H-332KL	3.3	1.86	2.05	30	62.0	66.9	68.4	20	30
SER2915L-332KL	3.3	1.50	1.65	40	48.0	54.0	57.0	20	30
SER2918H-472KL	4.7	2.60	2.86	30	59.0	61.2	62.4	20	28
SER2915H-472KL	4.7	1.86	2.05	25	42.0	48.0	50.1	20	30
SER2915L-472KL	4.7	1.50	1.65	30	33.0	36.9	39.0	20	30
SER2918H-682KL	6.8	2.60	2.86	25	42.0	45.0	45.9	20	28
SER2915H-682KL	6.8	1.86	2.05	20	30.0	34.5	36.2	20	30
SER2915L-682KL	6.8	1.50	1.65	25	22.0	26.0	27.8	20	30
SER2918H-103KL	10	2.60	2.86	20	28.0	31.2	32.1	20	28
SER2915H-103KL	10	1.86	2.05	15	18.0	21.5	23.4	20	30
SER2915L-103KL	10	1.50	1.65	20	13.0	16.2	17.6	20	30
SER2918H-153KL	15	2.60	2.86	16	18.0	21.2	21.9	20	28
SER2915H-153KL	15	1.86	2.05	12	11.5	14.0	15.2	20	30
SER2915L-153KL	15	1.50	1.65	15	7.5	9.8	11.0	20	30
SER2918H-223KL	22	2.60	2.86	15	12.0	14.0	15.0	20	28
SER2915H-223KL	22	1.86	2.05	10	7.0	8.6	9.6	20	30
SER2915L-223KL	22	1.50	1.65	10	4.5	6.0	6.8	20	30
SER2918H-333KL	33	2.60	2.86	10	7.0	8.7	9.6	20	28
SER2915H-333KL	33	1.86	2.05	8	4.0	5.1	5.9	20	30
SER2915L-333KL	33	1.50	1.65	7	2.0	2.6	3.3	20	30



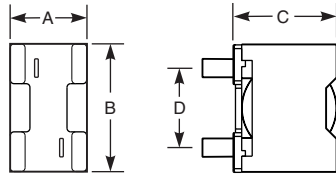
Dimensions (inches mm)

Series	A max	B max	C max
SER2915	1.1 27,9	1.1 27,9	0.605 15,36
SER2918	1.1 27,9	1.1 27,9	0.700 17,78

VER2923 High Current



Part number	Inductance ±10% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
VER2923-332KL	3.3	2.3	2.6	40	95.0	104	108	19	26
VER2923-472KL	4.7	2.3	2.6	30	63.0	72.0	76.0	19	26
VER2923-682KL	6.8	2.3	2.6	25	48.0	53.0	56.0	19	26
VER2923-103KL	10	2.3	2.6	20	30.0	34.0	37.0	19	26
VER2923-153KL	15	2.3	2.6	16	20.5	23.0	24.5	19	26
VER2923-223KL	22	2.3	2.6	13	12.2	14.7	16.4	19	26
VER2923-333KL	33	2.3	2.6	10	7.5	9.2	10.3	19	26



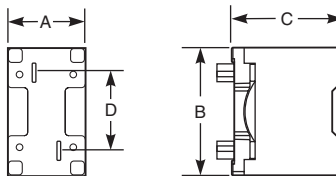
Dimensions (inches mm)

Series	A max	B max	C max	D cen
VER2923	0.668 16,97	1.08 27,43	0.895 22,74	0.65 16,51

AGP2923 High Current



Part number	Inductance ±10% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
AGP2923-332KL	3.3	2.3	2.6	40	95.0	104	108	19	26
AGP2923-472KL	4.7	2.3	2.6	30	63.0	72.0	76.0	19	26
AGP2923-682KL	6.8	2.3	2.6	25	48.0	53.0	56.0	19	26
AGP2923-103KL	10	2.3	2.6	20	30.0	34.0	37.0	19	26
AGP2923-153KL	15	2.3	2.6	16	20.5	23.0	24.5	19	26
AGP2923-223KL	22	2.3	2.6	13	12.2	14.7	16.4	19	26
AGP2923-333KL	33	2.3	2.6	10	7.5	9.2	10.3	19	26



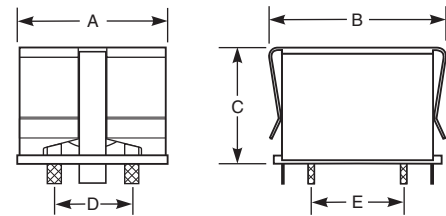
Dimensions (inches mm)

Series	A max	B max	C max	D cen
AGP2923	0.668 16,97	1.08 27,43	0.935 23,75	0.65 16,51

AGP4233 High Current



Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
AGP4233-332ME	3.3	0.67	0.75	27.7	92.0	95.0	98.0	34	44
AGP4233-562ME	5.6	0.67	0.75	22.8	63.0	65.0	67.0	34	44
AGP4233-682ME	6.8	2.80	2.95	21.7	92.0	97.8	101.8	24	34
AGP4233-103ME	10	2.80	2.95	18.8	56.0	60.0	63.0	24	34
AGP4233-153ME	15	2.80	2.95	15.2	45.0	47.0	49.0	24	34
AGP4233-223ME	22	2.80	2.95	12.0	32.8	35.4	36.6	24	34
AGP4233-333ME	33	2.80	2.95	10.0	22.5	24.7	25.8	24	34
AGP4233-473ME	47	2.80	2.95	8.5	16.0	17.6	18.6	24	34
AGP4233-683ME	68	2.80	2.95	6.4	10.6	12.2	13.0	24	34
AGP4233-104ME	100	2.80	2.95	5.2	6.88	7.80	8.36	24	34
AGP4233-154ME	150	2.80	2.95	4.2	4.18	4.96	5.40	24	34
AGP4233-224ME	220	10.5	11.5	5.0	6.40	7.20	7.60	12.4	17.5
AGP4233-334ME	330	10.5	11.5	4.1	4.20	4.70	5.00	12.4	17.5
AGP4233-474ME	470	10.5	11.5	3.6	2.60	3.20	3.40	12.4	17.5



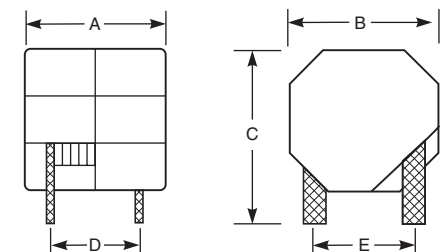
Dimensions (inches mm)

Series	A max	B max	C max	D cen	E cen
AGP4233	1.45 36,8	1.57 40,3	1.10 28,0	0.728 18,5	0.826–0.886 21,0–22,5

AGM2222 High Current



Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		typ	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
AGM2222-192ME	1.9	0.62	0.80	65.0	49.0	81.5	110.0	37.0	54.0
AGM2222-222ME	2.2	0.62	0.80	62.0	35.0	60.0	84.0	37.0	54.0
AGM2222-282ME	2.8	0.74	0.85	46.0	41.0	66.5	93.5	33.0	47.0
AGM2222-322ME	3.2	0.74	0.85	45.8	29.0	50.0	71.0	33.0	47.0
AGM2222-392ME	3.9	0.77	0.90	34.0	35.0	57.5	80.0	32.0	45.0
AGM2222-432ME	4.3	0.77	0.90	35.0	23.0	40.0	57.0	32.0	45.0
AGM2222-512ME	5.1	1.10	1.40	33.0	31.0	50.0	71.0	28.0	40.0
AGM2222-562ME	5.6	1.10	1.40	29.5	22.0	38.0	55.0	28.0	40.0
AGM2222-652ME	6.5	1.47	1.80	29.0	27.5	44.0	62.0	25.0	35.0
AGM2222-712ME	7.1	1.47	1.80	29.0	18.0	32.0	46.0	25.0	35.0
AGM2222-802ME	8.0	1.70	2.00	24.5	24.5	40.0	56.0	22.0	32.0
AGM2222-882ME	8.8	1.70	2.00	24.5	17.0	29.0	42.0	22.0	32.0
AGM2222-103ME	10.0	2.08	2.50	23.0	15.0	26.0	37.0	21.0	30.0



Dimensions (inches mm)

Series	A max	B max	C max	D cen	E cen
AGM2222	0.905 23,0	0.905 23,0	1.07 27,3	0.562–0.602, 14,3–15,3	0.551 14,0



MLC75xx Shielded



MLC75XX Shielded					Isat (A)			Irms (A)	
Part number	Inductance (μ H)	DCR (mOhms)		SRF typ (MHz)	10%	20%	30%	20°C	40°C
		nom	max		drop	drop	drop	rise	rise
MLC7532-101NEC	0.10 $\pm$ 30%	1.20	1.40	670	21.0	38.0	56.2	24.9	32.5
MLC7532-221MEC	0.22 $\pm$ 20%	2.50	2.80	316	22.9	41.0	59.2	20.2	26.5
MLC7542-311MEC	0.31 $\pm$ 20%	2.30	2.70	300	12.2	21.9	29.8	20.0	23.8
MLC7542-601MEC	0.60 $\pm$ 20%	2.95	3.80	200	9.9	15.7	20.2	16.7	21.9
MLC7540-102MEC	1.00 $\pm$ 20%	4.42	5.00	155	7.4	11.3	15.7	13.8	18.2
MLC7540-142MEC	1.40 $\pm$ 20%	7.10	8.00	125	6.3	11.0	14.3	10.6	14.1
MLC7540-222MEC	2.17 $\pm$ 20%	11.7	13.0	91	5.3	8.3	11.4	8.5	11.3



MLC12xx High Current

Part number	Inductance ±20% (µH)	DCR (mΩms)		SRF (MHz)	Isat (A)		Irms (A)		Height max (mm)
		nom	max		10% drop	20% drop	20°C rise	40°C rise	
MLC1265-361MLC	0.36	0.93	1.03	234	26.9	42.6	16.5	22.7	6.5
MLC1260-401MLC	0.40	0.93	1.03	228	21.0	35.2	16.3	21.9	6.1
MLC1255-421MLC	0.42	0.93	1.03	219	21.1	34.5	16.8	24.1	5.6
MLC1240-451MLC	0.45	1.73	1.91	198	16.5	24.9	12.8	19.8	4.1
MLC1265-701MLC	0.70	1.24	1.37	134	16.4	27.5	15.2	21.0	6.5
MLC1250-801MLC	0.80	2.35	2.59	151	13.3	21.7	12.4	17.3	5.1
MLC1240-901MLC	0.90	2.57	2.83	108	13.9	22.8	11.9	16.3	4.1
MLC1260-122MLC	1.20	2.38	2.62	93	14.0	23.3	12.3	17.6	6.1
MLC1255-122MLC	1.20	2.38	2.62	85	14.1	22.4	12.4	17.5	5.6
MLC1250-132MLC	1.30	2.38	2.62	76	10.8	17.7	11.7	16.5	5.3
MLC1245-152MLC	1.50	4.08	4.49	79	10.7	17.3	10.3	14.2	4.6
MLC1260-172MLC	1.75	2.84	3.13	72	12.1	19.2	10.9	15.3	6.1
MLC1260-222MLC	2.20	4.30	4.73	63	10.8	17.2	12.8	17.2	6.1
MLC1260-332MLC	3.30	5.10	5.60	52	8.80	14.4	12.6	16.7	6.1
MLC1245-402MLC	4.00	8.18	9.00	46	7.42	11.8	6.9	9.8	4.8
MLC1260-472MLC	4.70	8.97	9.67	38	8.20	13.4	8.8	12.2	6.1
MLC1260-682MLC	6.80	9.76	10.74	35	5.80	9.8	8.3	11.7	6.1
MLC1260-822MLC	8.20	10.68	11.75	28	5.20	9.0	7.9	10.8	6.1



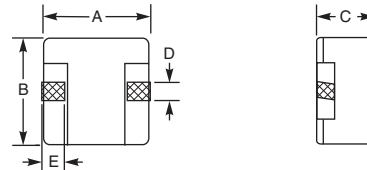
MLC15xx High Current

Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF (MHz)	Isat (A)		Irms (A)		Height max (mm)
		nom	max		10% drop	20% drop	20°C rise	40°C rise	
MLC1565-451MLC	0.45	0.864	0.951	158	32.8	54.0	18.0	25.6	6.5
MLC1565-501MLC	0.50	0.864	0.951	132	21.3	38.1	18.6	26.9	6.5
MLC1555-551MLC	0.55	1.34	1.48	165	20.8	35.7	16.1	22.3	5.6
MLC1565-801MLC	0.80	1.20	1.32	93	27.4	47.4	17.4	24.6	6.5
MLC1560-901MLC	0.90	1.72	1.90	101	17.8	28.7	14.6	20.6	6.0
MLC1538-102MLC	1.0	3.46	3.81	81	13.6	21.2	11.5	16.7	3.9
MLC1550-102MLC	1.0	1.72	1.90	76	16.1	27.3	13.9	19.7	5.2
MLC1565-142MLC	1.4	2.20	2.42	77	18.9	30.1	13.7	19.9	6.5
MLC1538-152MLC	1.5	4.36	4.80	50	13.4	21.0	10.6	14.6	3.9
MLC1565-202MLC	2.0	3.56	3.82	64	15.2	24.2	11.6	16.3	6.5
MLC1538-222MLC	2.2	5.90	6.50	81	9.0	15.0	7.5	10.6	3.9
MLC1550-252MLC	2.5	3.43	3.74	45	10.9	17.7	11.5	15.8	5.2
MLC1565-282MLC	2.8	4.10	4.51	44	13.7	22.3	10.7	15.2	6.5
MLC1555-302MLC	3.0	4.06	4.47	42	11.1	18.1	10.9	15.6	5.6
MLC1538-332MLC	3.3	8.80	9.68	113	7.4	12.2	5.95	9.86	3.9
MLC1565-372MLC	3.7	3.10	3.40	47	8.13	13.63	12.17	16.58	6.5
MLC1550-452MLC	4.5	7.13	7.85	36	7.12	11.8	8.43	11.7	5.2
MLC1565-472MLC	4.7	4.00	4.40	39	6.23	10.57	10.98	15.57	6.5
MLC1565-602MLC	6.0	5.50	6.05	34	5.60	9.57	9.27	13.62	6.5
MLC1565-732MLC	7.3	7.20	7.92	29	5.10	8.60	8.60	12.01	6.5
MLC1565-922MLC	9.2	9.70	10.60	25	4.57	7.80	7.19	10.18	6.5
MLC1565-113MLC	11.3	10.60	11.60	21	4.07	7.03	6.87	9.46	6.5
MLC1565-133MLC	13.0	12.57	13.75	19	3.93	6.70	6.12	8.65	6.5
MLC1565-153MLC	15.4	16.40	18.00	17	3.43	5.77	5.63	7.75	6.5

MLC1770 High Current



MLC1770 high current					Isat(A)			Irms(A)	
Part number	Inductance ±20% (µH)	DCR (mOhms)		SRF typ (MHz)	10% drop	20% drop	30% drop	20°C rise	40°C rise
		nom	max						
MLC1770-801MED	0.80	1.15	1.30	76	28.40	49.92	64.88	20.36	28.92
MLC1770-142MED	1.40	1.80	2.00	60	20.52	35.64	51.44	16.10	24.06
MLC1770-202MED	2.00	2.70	3.00	46	14.20	24.80	37.00	12.98	19.12
MLC1770-282MED	2.80	3.60	4.00	41	13.00	22.80	33.80	11.56	15.80



Dimensions (inches mm)

Series	A max	B max	C max	D	E
MLC12xx	0.449 11.4	0.413 10.5	See table	0.70 1.8	0.091 2.3
MLC15xx	0.551 14.0	0.520 13.2	See table	0.094 2.4	0.118 3.0
MLC1770	0.661 16.8	0.642 16.3	0.256 7.0	0.116 2.95	0.165 4.2
MLC7532	0.295 7.5	0.276 7.0	0.126 3.2	0.039 1.0	0.079 2.0
MLC7540	0.295 7.5	0.276 7.0	0.157 4.0	0.039 1.0	0.079 2.0
MLC7542	0.295 7.5	0.276 7.0	0.165 4.2	0.039 1.0	0.079 2.0



SLC7530 High Current



Part number	Inductance $\pm$ 20% (μ H)	DCR $\pm$ 5% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop	Irms (A)
Single conductor					
SLC7530S-500MLC	0.050	0.123	3800	50	40
SLC7530S-640MLC	0.064	0.123	3650	32	40
SLC7530S-820MLC	0.082	0.123	3750	22	40
SLC7530S-101MLC	0.100	0.123	3750	20	40

Dual conductor in parallel					
SLC7530D-500MLC	0.050	0.209	3750	50	38
SLC7530D-640MLC	0.064	0.209	3650	32	38
SLC7530D-820MLC	0.082	0.209	3750	22	38
SLC7530D-101MLC	0.100	0.209	3750	20	38

Part number	Inductance $\pm$ 20% (μ H)	DCR max (mOhms)	SRF typ (MHz)	Isat (A) 20% drop	Irms (A)
Dual conductor in series					
SLC7530D-500MLC	0.188	1.00	1500	21	28
SLC7530D-640MLC	0.272	1.00	1300	14	28
SLC7530D-820MLC	0.350	1.00	1200	11	28
SLC7530D-101MLC	0.400	1.00	950	8	28

SLC7649 High Current



Part number	Inductance $\pm$ 10% (μ H)	DCR $\pm$ 5% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop	Irms (A)
SLC7649S-360KLC	0.036	0.17	1150	100	74
SLC7649S-500KLC	0.050	0.17	900	84	74
SLC7649S-700KLC	0.070	0.17	750	65	74
SLC7649S-101KLC	0.100	0.17	110	42	74
SLC7649S-121KLC	0.120	0.17	78	33	74
SLC7649S-151KLC	0.150	0.17	67	27	74

SLC1049 High Current



Part number	Inductance $\pm$ 20% (μ H)	DCR $\pm$ 7% (mOhms) (MHz)	SRF typ 20% drop	Isat (A) 20% drop	Irms (A)
SLC1049-750MLC	0.075	0.230	200	61.0	66
SLC1049-101MLC	0.100	0.230	145	50.0	66
SLC1049-121MLC	0.125	0.230	140	37.0	66
SLC1049-151MLC	0.150	0.230	133	30.0	66
SLC1049-231MLC	0.230	0.230	70	25.5	66

SLR1050 High Current



Part number	Inductance ±10% (nH)	DCR (mOhms)	SRF typ (MHz)	Isat(A) 20% drop			Irms(A)	
				at 25°C	at 100°C	at 125°C	20°C rise	40°C rise
Lowest DCR								
SLR1050A-850KEC	85	0.39±7.7%	210	86	68.0	60.5	56.7	77.1
SLR1050A-101KEC	100	0.39±7.7%	200	78	61.5	55.0	56.7	77.1
SLR1050A-121KEC	120	0.39±7.7%	180	65	51.0	48.0	56.7	77.1
SLR1050A-151KEC	150	0.39±7.7%	90	51	38.0	36.0	56.7	77.1
SLR1050A-221KEC	220	0.39±7.7%	65	35	25.5	23.5	56.7	77.1
Balanced DCR/tolerance								
SLR1050B-850KEC	85	0.47±6.7%	210	86	68.0	60.5	48.8	67.2
SLR1050B-101KEC	100	0.47±6.7%	200	78	61.5	55.0	48.8	67.2
SLR1050B-121KEC	120	0.47±6.7%	180	65	51.0	48.0	48.8	67.2
SLR1050B-151KEC	150	0.47±6.7%	90	51	38.0	36.0	48.8	67.2
SLR1050B-221KEC	220	0.47±6.7%	65	35	25.5	23.5	48.8	67.2
Tightest DCR tolerance								
SLR1050C-850KEC	85	0.55±5.4%	210	86	68.0	60.5	46.7	65.0
SLR1050C-101KEC	100	0.55±5.4%	200	78	61.5	55.0	46.7	65.0
SLR1050C-121KEC	120	0.55±5.4%	180	65	51.0	48.0	46.7	65.0
SLR1050C-151KEC	150	0.55±5.4%	90	51	38.0	36.0	46.7	65.0
SLR1050C-221KEC	220	0.55±5.4%	65	35	25.5	23.5	46.7	65.0

SLR1065 High Current



Part number	Inductance ±10% (nH)	DCR ±8% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop			Irms (A)	
				at 25°C	at 100°C	at 125°C	20°C rise	40°C rise
SLR1065-121KEC	120	0.48	95	86	74	68	38.5	49.0
SLR1065-141KEC	140	0.48	75	75	63	58	38.5	49.0
SLR1065-171KEC	170	0.48	65	64	52	49	38.5	49.0
SLR1065-221KEC	215	0.48	50	51	41	38	38.5	49.0
SLR1065-301KEC	300	0.48	40	32	27	25	38.5	49.0

SLR1070 High Current



Part number	Inductance ±10% (µH)	DCR ±10% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop			Irms (A)	
				at 25°C	at 100°C	at 125°C	20°C rise	40°C rise
SLR1070-121KEC	0.120	0.29	130	86	68.5	62.5	61	82
SLR1070-141KEC	0.140	0.29	110	78	60.5	55.0	61	82
SLR1070-171KEC	0.170	0.29	80	64	50.5	46.0	61	82
SLR1070-221KEC	0.215	0.29	68	51	38.0	34.0	61	82
SLR1070-251KEC	0.250	0.29	55	38	35.0	31.5	61	82
SLR1070-281KEC	0.280	0.29	48	33	27.5	25.5	61	82
SLR1070-301KEC	0.300	0.29	47	31	26.5	24.0	61	82

SLR1075 High Current



Part number	Inductance ±10% (µH)	DCR ±7% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop			Irms (A)	
				at 25°C	at 100°C	at 125°C	20°C rise	40°C rise
SLR1075-121KEC	0.120	0.29	59	93.0	78.5	72.0	50	67
SLR1075-151KEC	0.150	0.29	48	72.0	59.0	54.0	50	67
SLR1075-171KEC	0.170	0.29	44	65.0	51.5	48.0	50	67
SLR1075-221KEC	0.215	0.29	36	53.0	40.0	37.0	50	67
SLR1075-231KEC	0.230	0.29	35	49.0	36.5	33.5	50	67
SLR1075-271KEC	0.270	0.29	30	41.0	32.0	29.5	50	67
SLR1075-301KEC	0.300	0.29	27	36.0	26.5	24.0	50	67

SLR7010 Shielded



Part number	Inductance ±10% (µH)	DCR ±7% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop			Irms (A)	
				at 25°C	at 100°C	at 125°C	20°C rise	40°C rise
SLR7010-101KED	100±10%	0.17	222	113	100	90	72	92
SLR7010-121KED	120±10%	0.17	159	98	84	80	72	92
SLR7010-151KED	150±10%	0.17	150	75	65	60	72	92
SLR7010-201KED	200±10%	0.17	85	62	46	42	72	92
SLR7010-251KED	250±10%	0.17	88	44	36	32	72	92
SLR7010-331LED	330±15%	0.17	50	32	26	22	72	92

Q200
85°

SLC1175 High Current



Part number	Inductance ±20% (µH)	DCR ±5% (mOhms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
SLC1175-700MEC	0.070	0.224	179	83	100	>100	58	76
SLC1175-121MEC	0.120	0.224	144	80	84	88	58	76
SLC1175-151MEC	0.150	0.224	95	64	70	76	58	76
SLC1175-171MEC	0.170	0.224	73	54	60	63	58	76
SLC1175-201MEC	0.200	0.224	64	48	53	55	58	76
SLC1175-231MEC	0.230	0.224	61	41	46	49	58	76
SLC1175-271MEC	0.270	0.224	52	32	37	40	58	76
SLC1175-301MEC	0.300	0.224	48	27	31	34	58	76

SLR1190 High Current



Part number	Inductance ±10% (µH)	DCR ±10% (mOhms)	SRF typ (MHz)	Isat (A) 20% drop			Irms (A)	
				at 25°C	at 100°C	at 125°C	20°C rise	40°C rise
SLR1190-151KEC	0.150	0.43	95	100	87.5	82.5	58	79
SLR1190-201KEC	0.200	0.43	58	86	68.5	63.5	58	79
SLR1190-231KEC	0.230	0.43	51	72	62.0	56.5	58	79
SLR1190-251KEC	0.250	0.43	50	66	52.0	48.5	58	79
SLR1190-271KEC	0.270	0.43	49	58	50.0	45.5	58	79
SLR1190-311KEC	0.310	0.43	43	52	42.0	38.5	58	79
SLR1190-371KEC	0.370	0.43	35	41	32.5	30.5	58	79

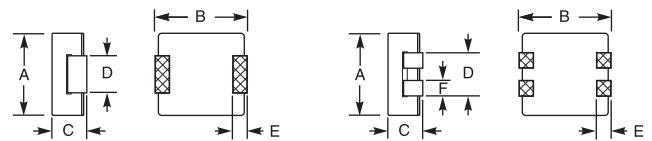
SLC1480 High Current



Part number	Inductance ±20% (µH)	DCR ±17% (mOhms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
SLC1480-111MLD	0.110	0.18	130	100	128	130	64	83
SLC1480-131MLD	0.130	0.18	110	97	110	112	64	83
SLC1480-151MLD	0.150	0.18	108	88	95	97	64	83
SLC1480-171MLD	0.170	0.18	75	80	87	90	64	83
SLC1480-201MLD	0.200	0.18	68	65	72	76	64	83
SLC1480-231MLD	0.230	0.18	59	57	64	67	64	83
SLC1480-261MLD	0.260	0.18	50	50	57	61	64	83
SLC1480-301MLD	0.300	0.18	46	42	49	52	64	83
SLC1480-321MLD	0.320	0.18	42	38	44	48	64	83
SLC1480-441MLD	0.440	0.18	35	28	32	35	64	83

Single conductor
SLC7530S, SLC7649, SLC1049,
SLR1050, SLR1065, SLR1070,
SLR1075, SLR7010, SLC1175,
SLR1190, SLC1480

Dual conductor
SLC7530D



Dimensions (inches mm)

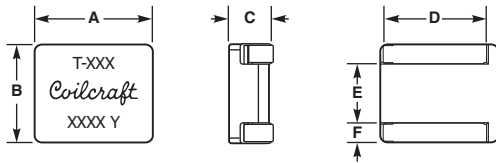
Series	Amax	Bmax	Cmax	D	E	F
SLC1049	0.271 6.88	0.401 10.20	0.203 5.16	0.105 2.67	0.100 2.54	
SLC1175	0.301 7.65	0.433 11.00	0.283 7.20	0.083 2.11	0.095 2.4	
SLC1480	0.510 12.95	0.530 13.46	0.315 8.00	0.200 5.08	0.140 3.56	
SLC7530D	0.264 6.70	0.295 7.50	0.118 3.00	0.129 3.27	0.067 1.7	0.050 1.27
SLC7530S	0.264 6.70	0.295 7.50	0.118 3.00	0.118 3.00	0.067 1.7	
SLC7649	0.274 7.95	0.300 7.62	0.195 4.96	0.105 2.67	0.085 2.16	
SLR1050	0.276 7.0	0.402 10.2	0.195 4.95	0.099 2.5	0.060 1.52	
SLR1065	0.315 8.0	0.409 10.4	0.260 6.6	0.088 2.24	0.10 2.54	
SLR1070	0.315 8.0	0.409 10.4	0.276 7.0	0.088 2.24	0.10 2.54	
SLR1075	0.315 8.0	0.409 10.4	0.291 7.4	0.079 2.0	0.10 2.54	
SLR1190	0.406 10.3	0.441 11.2	0.354 9.0	0.079 2.0	0.098 2.50	
SLR7010	0.276 7.0	0.394 10.0	0.394 10.0	0.110 2.8	0.102 2.6	

MVR High Current

Part number	Inductance ±20% (µH)	DCR ±8% (mOhms)	SRF (MHz)	Isat (A) 20% drop	Irms (A)	Height max (mm)
Low core loss						
MVR1251T-251MLC	0.25	0.925	160	35	25	5.1
MVR1251T-361MLC	0.36	0.925	140	24	24	5.1
MVR1251T-561MLC	0.56	0.925	110	13	25	5.1

MVR High Current

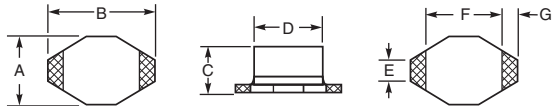
Part number	Inductance ±20% (µH)	DCR ±8% (mOhms)	SRF (MHz)	Isat (A) 20% drop	Irms (A)	Height max (mm)
Soft saturation						
MVR1247C-361MLC	0.36	0.925	120	36	24	4.7
MVR1255C-651MLC	0.65	1.50	115	24	19	5.5
MVR1261C-112MLC	1.10	1.95	95	20	20	6.1
MVR1271C-162MLC	1.65	2.53	55	17	20	7.1
MVR1278C-232MLC	2.30	3.08	50	16	17	7.8

**Dimensions** (inches mm)

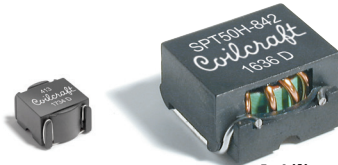
Series	A max	B max	C max	D	E	F
MVR1247	0.453 11,50	0.384 9,75	0.185 4,70	0.360 9,14	0.223 5,67	0.069 1,75
MVR1251	0.453 11,50	0.384 9,75	0.200 5,10	0.360 9,14	0.223 5,67	0.069 1,75
MVR1255	0.453 11,50	0.384 9,75	0.217 5,50	0.360 9,14	0.223 5,67	0.069 1,75
MVR1261	0.453 11,50	0.384 9,75	0.240 6,10	0.360 9,14	0.223 5,67	0.069 1,75
MVR1271	0.453 11,50	0.384 9,75	0.280 7,10	0.360 9,14	0.223 5,67	0.069 1,75
MVR1278	0.453 11,50	0.384 9,75	0.307 7,80	0.360 9,14	0.223 5,67	0.069 1,75

DS1608B

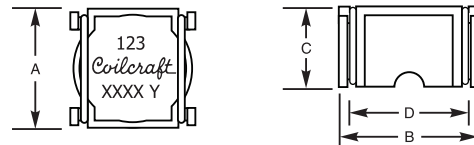
Part number	Inductance ±20% (mH)	DCR max (Ohms)	Insulation core-winding (MOhms)	SRF typ (MHz)	Irms (mA)
DS1608B-104MLC	0.10	0.95	>10	12	220
DS1608B-154MLC	0.15	1.4	>10	10	200
DS1608B-224MLC	0.22	1.7	>10	8	180
DS1608B-334MLC	0.33	2.2	>10	6	160
DS1608B-474MLC	0.47	3.8	>10	5	140
DS1608B-684MLC	0.68	4.9	>10	4	120
DS1608B-105MLC	1.0	9	>10	2	100
DS1608B-155MLC	1.5	11	>10	1	80
DS1608B-225MLC	2.2	19	>10	1	50
DS1608B-335MLC	3.3	24	>10	1	40
DS1608B-475MLC	4.7	30	>10	1	30
DS1608B-685MLC	6.8	56	>10	0.9	20
DS1608B-106MLC	10	74	>10	0.8	10

**Dimensions** (inches mm)

Series	A max	B max	C max	D ref	E	F	G
DS1608B	0.175 4,45	0.260 6,60	0.115 2,92	0.160 4,06	0.050 1,27	0.170 4,32	0.040 1,02

SPT Toroid

Part number	Inductance ±20% (µH)	DCR max (mOhms)	SRF typ (MHz)	Isat (A)			Body size
				10% drop	20% drop	30% drop	
Standard series							
SPT20L-112MLD	1.1	16.0	130	3.2	4.8	6.7	1
SPT38L-382MLD	3.8	9.3	61	4.0	6.1	8.2	3
SPT30L-522MLD	5.2	24.2	47	2.8	4.2	5.8	2
SPT20L-702MLD	7.0	95.0	37	1.2	1.8	2.5	1
SPT38L-752MLD	7.5	22.8	50	2.7	4.2	5.8	3
SPT44L-792MLD	7.9	16.2	26	3.5	5.4	7.3	4
SPT30L-123MLD	12	54.7	23.9	1.9	2.8	3.7	2
SPT44L-143MLD	14	23.6	15.6	2.8	4.1	5.7	4
SPT50L-163MLD	16	19.7	14.3	2.8	4.2	5.8	5
SPT38L-223MLD	22	63	18.1	1.5	2.3	3.1	3
SPT20L-233MLD	23	320	13.5	0.6	1.0	1.3	1
SPT50L-263MLD	26	32	11.2	2.3	3.4	4.6	5
SPT30L-353MLD	35	166	11.0	1.1	1.6	2.2	2
SPT44L-413MLD	41	85	8.30	1.6	2.3	3.1	4
SPT38L-733MLD	73	290	10.8	0.81	1.3	1.7	3
SPT50L-733MLD	73	133	4.56	1.4	2.0	2.7	5
SPT30L-174MLD	170	640	3.84	0.44	0.68	0.95	2
SPT38L-294MLD	290	657	2.87	0.41	0.64	0.90	3
SPT50L-564MLD	560	550	1.54	0.37	0.59	0.81	5
SPT38L-674MLD	670	1200	1.38	0.26	0.40	0.55	3
SPT44L-115MLD	1100	1908	1.35	0.25	0.41	0.57	4
SPT50L-205MLD	2000	1932	1.35	0.18	0.29	0.41	5
High current series							
SPT44H-282MLD	2.8	4.6	74	5.8	8.8	12.2	6
SPT44H-422MLD	4.2	6.6	61	5.0	7.8	10.9	6
SPT50H-652MLD	6.5	7.2	27.3	4.6	6.7	9.1	7
SPT50H-842MLD	8.4	8.5	22.8	4.3	6.4	8.5	7
SPT68H-113MLD	11	8.2	25.9	4.8	7.2	9.9	8
SPT68H-183MLD	18	12.5	12.0	3.9	5.7	7.7	8

**Dimensions** (inches mm)

Body Size	A max	B max	C max	D cen
1	0.34 8,64	0.34 8,64	0.28 7,00	0.26 6,60
2	0.44 11,05	0.44 11,18	0.37 9,50	0.35 8,89
3	0.56 14,22	0.56 14,35	0.37 9,50	0.45 11,43
4	0.59 14,99	0.61 15,62	0.41 10,50	0.50 12,70
5	0.67 17,02	0.70 17,78	0.41 10,50	0.58 14,73
6	0.66 16,89	0.66 16,89	0.41 10,50	0.56 14,22
7	0.74 18,80	0.74 18,80	0.41 10,50	0.63 16,00
8	0.94 23,88	0.94 23,88	0.41 10,50	0.82 20,83



Unshielded SM Power Inductors

SPICE models
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LPO3010



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LPO3010-102MLC	1.0 ±30%	0.140	200	1.7	1.4
LPO3010-122MLC	1.2 ±30%	0.160	190	1.6	1.4
LPO3010-152MLC	1.5 ±30%	0.200	150	1.3	1.0
LPO3010-222MLC	2.2 ±30%	0.265	140	1.2	0.90
LPO3010-332MLC	3.3 ±30%	0.335	100	0.96	0.60
LPO3010-472MLC	4.7 ±30%	0.570	80	0.76	0.50
LPO3010-682MLC	6.8 ±30%	0.650	68	0.68	0.47
LPO3010-822MLC	8.2 ±30%	1.00	60	0.64	0.45
LPO3010-103MLC	10 ±20%	1.15	50	0.50	0.45
LPO3010-153MLC	15 ±20%	1.57	35	0.42	0.40
LPO3010-223MLC	22 ±20%	2.20	30	0.37	0.35
LPO3010-333MLC	33 ±20%	2.80	14	0.31	0.29
LPO3010-473MLC	47 ±20%	4.60	12	0.30	0.28

LPO3310



Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LPO3310-301MLC	0.30	0.040	420	2.8	2.8
LPO3310-471MLC	0.47	0.042	310	2.3	2.3
LPO3310-701MLC	0.70	0.068	200	1.9	1.9
LPO3310-102MLC	1.0	0.076	180	1.6	1.6
LPO3310-152MLC	1.5	0.12	153	1.4	1.4
LPO3310-222MLC	2.2	0.15	112	1.1	1.1
LPO3310-332MLC	3.3	0.20	91	0.95	0.95
LPO3310-472MLC	4.7	0.27	80	0.80	0.80
LPO3310-682MLC	6.8	0.36	68	0.66	0.66
LPO3310-822MLC	8.2	0.50	58	0.65	0.65
LPO3310-103MLC	10	0.52	52	0.57	0.57
LPO3310-153MLC	15	0.80	36	0.45	0.45
LPO3310-223MLC	22	1.20	34	0.37	0.37
LPO3310-333MLC	33	1.78	27	0.30	0.30
LPO3310-473MLC	47	2.15	22	0.25	0.25

Q200
85°

D03314



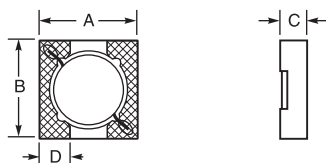
Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
D03314-102MLC	1.0	0.11	160	2.10	1.70
D03314-152MLC	1.5	0.14	140	2.00	1.40
D03314-222MLC	2.2	0.20	90	1.60	1.30
D03314-332MLC	3.3	0.26	80	1.40	1.20
D03314-472MLC	4.7	0.32	60	1.20	1.10
D03314-682MLC	6.8	0.44	45	0.92	0.80
D03314-822MLC	8.2	0.47	45	0.90	0.75
D03314-103MLC	10	0.52	40	0.80	0.75
D03314-153MLC	15	0.86	30	0.68	0.65
D03314-223MLC	22	1.20	20	0.56	0.50
D03314-333MLC	33	1.62	15	0.51	0.40

Q200
85°

LPO4812



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LPO4812-102MLC	1.0 ±20%	0.055	270	1.30	0.85
LPO4812-152MLC	1.5 ±20%	0.080	220	1.00	0.85
LPO4812-222MLC	2.2 ±20%	0.090	170	0.80	0.85
LPO4812-332MLC	3.2 ±20%	0.120	140	0.70	0.80
LPO4812-472MLC	4.7 ±20%	0.155	110	0.60	0.80
LPO4812-682MLC	6.8 ±20%	0.225	90	0.45	0.78
LPO4812-822MLC	8.2 ±20%	0.270	70	0.45	0.77
LPO4812-103KLC	10 ±10%	0.300	60	0.40	0.76
LPO4812-153KLC	15 ±10%	0.460	50	0.32	0.72
LPO4812-223KLC	22 ±10%	0.640	40	0.28	0.59
LPO4812-333KLC	33 ±10%	0.850	30	0.22	0.54
LPO4812-473KLC	47 ±10%	1.30	28	0.20	0.50
LPO4812-683KLC	68 ±10%	1.80	22	0.16	0.39
LPO4812-104KLC	100 ±10%	2.60	18	0.13	0.32
LPO4812-154KLC	150 ±10%	4.20	14	0.10	0.26
LPO4812-224KLC	220 ±10%	5.50	11	0.09	0.24



Dimensions (inches mm)

Series	A max	B max	C max	D
D01605T	0.165 4,20	0.216 5,50	0.071 1,80	0.029 0,74
D03314	0.138 3,50	0.138 3,50	0.055 1,40	0.040 1,02
LPO3010	0.126 3,20	0.126 3,20	0.043 1,1	0.035 0,89
LPO3310	0.138 3,50	0.138 3,50	0.044 1,12	0.040 1,02
LPO4812	0.190 4,83	0.181 4,60	0.047 1,20	0.031 0,79
LPO4815	0.190 4,83	0.181 4,60	0.059 1,50	0.031 0,79
LPO6013	0.236 6,0	0.220 5,60	0.051 1,30	0.040 1,02

LPO4815



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LPO4815-102MLC	1.0 ±20%	0.036	230	1.6	1.9
LPO4815-152MLC	1.5 ±20%	0.085	200	1.5	1.7
LPO4815-222MLC	2.2 ±20%	0.088	150	1.1	1.5
LPO4815-332MLC	3.3 ±20%	0.12	115	0.90	1.3
LPO4815-392MLC	3.9 ±20%	0.13	105	0.86	1.2
LPO4815-472MLC	4.7 ±20%	0.15	95	0.77	1.1
LPO4815-682MLC	6.8 ±20%	0.18	72	0.65	1.0
LPO4815-822MLC	8.2 ±20%	0.22	65	0.58	0.90
LPO4815-103KLC	10 ±10%	0.23	60	0.50	0.85
LPO4815-123KLC	12 ±10%	0.31	50	0.45	0.80
LPO4815-153KLC	15 ±10%	0.36	45	0.42	0.75
LPO4815-223KLC	22 ±10%	0.48	35	0.36	0.70
LPO4815-333KLC	33 ±10%	0.71	30	0.28	0.65
LPO4815-393KLC	39 ±10%	0.83	25	0.26	0.60
LPO4815-473KLC	47 ±10%	1.20	25	0.22	0.55
LPO4815-683KLC	68 ±10%	1.40	20	0.20	0.45
LPO4815-104KLC	100 ±10%	2.15	15	0.15	0.36
LPO4815-154KLC	150 ±10%	3.15	12	0.13	0.30
LPO4815-224KLC	220 ±10%	4.30	10	0.11	0.27

LPO6013



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LPO6013-102MLC	1.0 ±20%	0.06	200	1.9	1.5
LPO6013-152MLC	1.5 ±20%	0.07	200	1.6	1.4
LPO6013-222MLC	2.2 ±20%	0.08	150	1.3	1.3
LPO6013-332MLC	3.3 ±20%	0.11	110	1.1	1.3
LPO6013-392MLC	3.9 ±20%	0.13	100	1.0	1.2
LPO6013-472MLC	4.7 ±20%	0.15	90	0.90	1.2
LPO6013-682MLC	6.8 ±20%	0.20	70	0.70	1.2
LPO6013-822MLC	8.2 ±20%	0.22	65	0.70	1.0
LPO6013-103KLC	10 ±10%	0.30	60	0.60	1.0
LPO6013-153KLC	15 ±10%	0.38	47	0.55	0.85
LPO6013-223KLC	22 ±10%	0.52	37	0.45	0.80
LPO6013-333KLC	33 ±10%	0.73	30	0.40	0.74
LPO6013-393KLC	39 ±10%	0.96	28	0.35	0.67
LPO6013-473KLC	47 ±10%	1.0	25	0.30	0.60
LPO6013-683KLC	68 ±10%	1.7	21	0.28	0.49
LPO6013-104KLC	104 ±10%	3.2	17	0.22	0.35
LPO6013-154KLC	154 ±10%	4.3	14	0.19	0.30
LPO6013-224KLC	224 ±10%	5.8	10	0.15	0.26
LPO6013-334KLC	334 ±10%	7.0	8.0	0.13	0.23
LPO6013-474KLC	474 ±10%	10	7.0	0.10	0.20
LPO6013-684KLC	684 ±10%	14	5.6	0.09	0.18
LPO6013-105KLC	1000 ±10%	21	4.7	0.07	0.13

Q200
85°

D01605T



Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
D01605T-102MLC	1.0	0.04	230	2.5	2.3
D01605T-152MLC	1.5	0.06	180	2.2	2.1
D01605T-222MLC	2.2	0.07	140	1.8	1.7
D01605T-332MLC	3.3	0.12	110	1.4	1.3
D01605T-472MLC	4.7	0.15	100	1.2	1.1
D01605T-682MLC	6.8	0.20	80	1.1	1.0
D01605T-822MLC	8.2	0.23	70	1.0	0.95
D01605T-103MLC	10	0.27	60	1.0	0.90
D01605T-153MLC	15	0.35	45	0.8	0.70
D01605T-223MLC	22	0.54	35	0.6	0.50
D01605T-333MLC	33	0.74	30	0.5	0.45
D01605T-473MLC	47	1.1	22	0.45	0.40
D01605T-683MLC	68	1.6	20	0.35	0.35
D01605T-104MLC	100	2.3	15	0.30	0.30
D01605T-154MLC	150	3.5	10	0.25	0.25
D01605T-224MLC	220	5.7	9	0.20	0.18
D01605T-334MLC	330	8.2	8	0.16	0.16
D01605T-474MLC	470	10.8	7	0.14	0.12
D01605T-684MLC	680	17.2	5	0.12	0.10
D01605T-105MLC	1000	22.6	4	0.08	0.08

Q200
85°

LP06610



Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LP06610-122MLC	1.2	0.08	190	2.1	1.7
LP06610-152MLC	1.5	0.10	140	1.9	1.5
LP06610-222MLC	2.2	0.12	115	1.6	1.4
LP06610-332MLC	3.3	0.16	90	1.3	1.2
LP06610-472MLC	4.7	0.20	88	1.1	1.1
LP06610-682MLC	6.8	0.32	66	0.90	0.85
LP06610-103MLC	10	0.41	55	0.80	0.75
LP06610-153MLC	15	0.55	42	0.65	0.60
LP06610-223MLC	22	0.85	38	0.50	0.52
LP06610-333MLC	33	1.3	29	0.40	0.42
LP06610-473MLC	47	1.8	22	0.35	0.36
LP06610-683MLC	68	2.5	18	0.30	0.30
LP06610-104MLC	100	3.5	14	0.25	0.26
LP06610-154MLC	150	5.0	12	0.18	0.21
LP06610-224MLC	220	7.0	10	0.16	0.18
LP06610-334MLC	330	15.0	8	0.13	0.13

Q200
85°

DO1606T



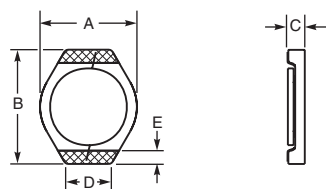
Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
DO1606T-102MLC	1.0	0.04	230	2.5	2.3
DO1606T-152MLC	1.5	0.06	180	2.2	2.1
DO1606T-222MLC	2.2	0.07	140	1.8	1.7
DO1606T-332MLC	3.3	0.12	110	1.4	1.3
DO1606T-472MLC	4.7	0.15	100	1.2	1.1
DO1606T-682MLC	6.8	0.20	80	1.1	1.0
DO1606T-822MLC	8.2	0.23	70	1.0	0.95
DO1606T-103MLC	10	0.30	60	1.0	0.90
DO1606T-153MLC	15	0.40	45	0.8	0.70
DO1606T-223MLC	22	0.54	35	0.6	0.50
DO1606T-333MLC	33	0.74	30	0.5	0.45
DO1606T-473MLC	47	1.1	22	0.45	0.40
DO1606T-683MLC	68	1.6	20	0.35	0.35
DO1606T-104MLC	100	2.3	15	0.30	0.30
DO1606T-154MLC	150	3.5	10	0.25	0.25
DO1606T-224MLC	220	5.7	9	0.20	0.18
DO1606T-334MLC	330	8.2	8	0.16	0.16
DO1606T-474MLC	470	10.8	7	0.14	0.12
DO1606T-684MLC	680	17.2	5	0.12	0.10
DO1606T-105MLC	1000	22.6	4	0.08	0.08

Q200
85°

LP02506



In-board style part number	On-board style part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
LP02506I-472LC	LP02506O-472LC	4.7	0.145	90	1.6	1.9
LP02506I-682LC	LP02506O-682LC	6.8	0.165	75	1.3	1.7
LP02506I-822LC	LP02506O-822LC	8.2	0.200	65	1.0	1.5
LP02506I-103LC	LP02506O-103LC	10	0.240	60	1.0	1.5
LP02506I-153LC	LP02506O-153LC	15	0.300	45	0.90	1.3
LP02506I-223LC	LP02506O-223LC	22	0.420	35	0.70	1.0
LP02506I-333LC	LP02506O-333LC	33	0.550	30	0.60	0.90
LP02506I-473LC	LP02506O-473LC	47	0.765	22	0.50	0.70
LP02506I-683LC	LP02506O-683LC	68	1.10	20	0.40	0.60
LP02506I-104LC	LP02506O-104LC	100	1.60	15	0.30	0.50
LP02506I-154LC	LP02506O-154LC	150	2.50	12	0.25	0.40
LP02506I-224LC	LP02506O-224LC	220	3.65	10	0.22	0.32
LP02506I-334LC	LP02506O-334LC	330	4.65	8.0	0.18	0.28
LP02506I-474LC	LP02506O-474LC	470	6.75	6.5	0.14	0.24
LP02506I-684LC	LP02506O-684LC	680	9.15	5.5	0.12	0.20
LP02506I-105LC	LP02506O-105LC	1000	14.2	4.5	0.10	0.16



Dimensions (inches mm)

Series	A max	B max	C max	D	E
DO1606T	0.210 5,30	0.260 6,60	0.079 2,00	0.080 2,00	0.029 0,74
LP02506I	0.310 7,24	0.360 9,14	0.061 1,55	0.190 4,83	0.030 0,76
LP02506O	0.310 7,24	0.360 9,14	0.065 1,65	0.190 4,83	0.030 0,76
LP06610	0.216 5,50	0.260 6,60	0.040 1,00	0.100 2,54	0.029 0,75

ME3215

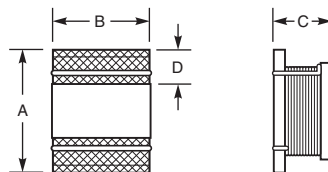


Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
ME3215-102MLC	1.0±20%	0.058	100	2.32	2.62	2.80	1.70	2.30
ME3215-222MLC	2.2±20%	0.107	64	1.62	1.84	2.00	1.30	1.70
ME3215-332MLC	3.3±20%	0.170	55	1.22	1.40	1.50	1.05	1.45
ME3215-472MLC	4.7±20%	0.245	43	1.06	1.20	1.30	0.83	1.14
ME3215-103KLC	10±10%	0.505	26	0.71	0.81	0.85	0.60	0.79
ME3215-153KLC	15±10%	0.773	26	0.58	0.65	0.70	0.48	0.65
ME3215-223KLC	22±10%	1.00	19	0.50	0.57	0.61	0.42	0.56
ME3215-333KLC	33±10%	1.48	17	0.42	0.47	0.51	0.35	0.48
ME3215-473KLC	47±10%	2.33	15	0.33	0.38	0.41	0.35	0.48
ME3215-683KLC	68±10%	3.40	12	0.28	0.31	0.34	0.24	0.32
ME3215-104KLC	100±10%	4.67	10	0.23	0.26	0.27	0.18	0.25

ME3220



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
ME3220-102MLC	1.0±20%	0.058	170.7	2.7	3.0	3.2	2.0	2.6
ME3220-152MLC	1.5±20%	0.068	138.0	2.2	2.5	2.7	1.6	2.2
ME3220-222MLC	2.2±20%	0.104	92.6	1.8	2.1	2.2	1.5	2.0
ME3220-332MLC	3.3±20%	0.138	75.6	1.5	1.6	1.7	1.4	1.6
ME3220-472MLC	4.7±20%	0.190	58.2	1.2	1.4	1.5	1.0	1.3
ME3220-562MLC	5.6±20%	0.200	52.5	1.1	1.3	1.4	1.0	1.3
ME3220-682MLC	6.8±20%	0.270	46.2	1.0	1.1	1.2	0.88	1.1
ME3220-822MLC	8.2±20%	0.290	45.2	0.98	1.0	1.1	0.80	1.0
ME3220-103KLC	10±10%	0.434	39.9	0.78	1.0	1.1	0.63	0.87
ME3220-123KLC	12±10%	0.470	37.5	0.76	0.88	0.98	0.61	0.84
ME3220-153KLC	15±10%	0.520	32.5	0.70	0.80	0.90	0.58	0.83
ME3220-183KLC	18±10%	0.696	31.7	0.66	0.75	0.80	0.49	0.70
ME3220-223KLC	22±10%	0.787	29.4	0.59	0.67	0.71	0.47	0.64
ME3220-273KLC	27±10%	1.19	26.1	0.56	0.63	0.67	0.40	0.54
ME3220-333KLC	33±10%	1.27	23.0	0.50	0.57	0.60	0.39	0.53
ME3220-393KLC	39±10%	1.38	22.6	0.45	0.51	0.54	0.34	0.47
ME3220-473KLC	47±10%	1.80	20.7	0.40	0.46	0.49	0.30	0.45
ME3220-563KLC	56±10%	2.10	20.3	0.37	0.42	0.45	0.27	0.43
ME3220-683KLC	68±10%	2.30	16.3	0.34	0.38	0.41	0.26	0.38
ME3220-823KLC	82±10%	3.00	13.7	0.30	0.34	0.36	0.25	0.34
ME3220-104KLC	100±10%	3.50	13.3	0.28	0.32	0.34	0.24	0.32



Dimensions (inches mm)

Series	A max	B max	C max	D
ME3215	0.138 3,5	0.110 2,8	0.067 1,70	0.035 0,90
ME3220	0.138 3,5	0.110 2,8	0.095 2,40	0.043 1,1

SD43

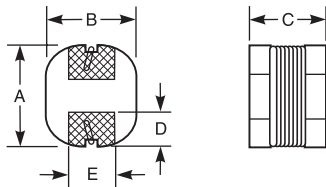


Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
SD43-102MLC	1.0±20%	0.033	100	5.5	6.1	6.5	3.4	5.8
SD43-142MLC	1.4±20%	0.038	90	4.8	5.5	5.9	3.1	5.8
SD43-182MLC	1.8±20%	0.042	80	4.1	4.6	5.1	2.7	4.6
SD43-222MLC	2.2±20%	0.047	65	3.6	4.1	4.4	2.3	3.8
SD43-272MLC	2.7±20%	0.052	60	3.4	3.8	4.1	2.2	3.7
SD43-332MLC	3.3±20%	0.058	50	2.9	3.3	3.5	2.1	3.3
SD43-392MLC	3.9±20%	0.076	47	2.6	3.0	3.2	1.9	3.0
SD43-472MLC	4.7±20%	0.094	45	2.4	2.8	3.0	1.9	2.9
SD43-562MLC	5.6±20%	0.101	40	2.2	2.5	2.7	1.6	2.8
SD43-682MLC	6.8±20%	0.110	35	2.0	2.3	2.5	1.5	2.5
SD43-822MLC	8.2±20%	0.132	30	1.83	2.1	2.2	1.4	2.2
SD43-103MLC	10.0±20%	0.182	28	1.70	1.95	2.1	1.3	2.2
SD43-123MLC	12.0±20%	0.210	24	1.53	1.75	1.90	1.1	1.8
SD43-153MLC	15.0±20%	0.235	22	1.33	1.58	1.73	1.0	1.7
SD43-183MLC	18.0±20%	0.338	19	1.25	1.43	1.58	0.89	1.5
SD43-223MLC	22.0±20%	0.378	17	1.15	1.32	1.43	0.85	1.4
SD43-273MLC	27.0±20%	0.522	16	1.00	1.14	1.26	0.73	1.1
SD43-333KLC	33.0±10%	0.540	14	0.90	1.05	1.14	0.62	0.90
SD43-393KLC	39.0±10%	0.587	13	0.84	0.97	1.07	0.61	0.90
SD43-473KLC	47.0±10%	0.844	12	0.77	0.87	0.93	0.53	0.86
SD43-563KLC	56.0±10%	0.937	11	0.72	0.80	0.86	0.51	0.70
SD43-683KLC	68.0±10%	1.117	10	0.65	0.72	0.77	0.43	0.60

SD54



Part number	Inductance (μ H)	DCR (Ohms)		SRF typ (MHz)	Isat (A)			I _{rms} (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
SD54-103MLC	10 $\pm$ 20%	0.072	0.079	28	2.0	2.3	2.4	1.7	2.3
SD54-123MLC	12 $\pm$ 20%	0.080	0.088	26	1.8	2.0	2.2	1.6	2.2
SD54-153MLC	15 $\pm$ 20%	0.094	0.103	23	1.5	1.8	1.9	1.5	2.1
SD54-183MLC	18 $\pm$ 20%	0.103	0.113	21	1.4	1.6	1.8	1.4	2.0
SD54-223MLC	22 $\pm$ 20%	0.119	0.130	19	1.3	1.5	1.6	1.3	1.8
SD54-273MLC	27 $\pm$ 20%	0.134	0.147	18	1.2	1.4	1.4	1.2	1.7
SD54-333MLC	33 $\pm$ 20%	0.150	0.165	16	1.1	1.2	1.3	1.2	1.6
SD54-393MLC	39 $\pm$ 20%	0.195	0.214	13	1.0	1.1	1.2	1.0	1.4
SD54-473MLC	47 $\pm$ 20%	0.222	0.244	12	0.92	1.0	1.1	0.97	1.3
SD54-563KLC	56 $\pm$ 10%	0.251	0.276	11	0.83	0.96	1.0	0.92	1.3
SD54-683KLC	68 $\pm$ 10%	0.335	0.368	9.3	0.76	0.88	0.95	0.80	1.1
SD54-823KLC	82 $\pm$ 10%	0.379	0.416	8.4	0.69	0.80	0.85	0.74	1.1
SD54-104KLC	100 $\pm$ 10%	0.503	0.553	7.4	0.62	0.72	0.77	0.64	0.88
SD54-124KLC	120 $\pm$ 10%	0.579	0.636	7.0	0.56	0.66	0.71	0.58	0.80
SD54-154KLC	150 $\pm$ 10%	0.654	0.719	6.3	0.51	0.60	0.64	0.57	0.77
SD54-184KLC	180 $\pm$ 10%	0.874	0.961	5.5	0.46	0.53	0.57	0.49	0.67
SD54-224KLC	220 $\pm$ 10%	0.996	1.095	5.0	0.43	0.50	0.54	0.47	0.66



Dimensions (inches mm)

Series	A max	B max	C max	D	E
SD43	0.185 4,7	0.165 4,2	0.136 3,45	0.063 1,60	0.051 1,30
SD54	0.236 6,0	0.222 5,63	0.197 5,0	0.090 2,29	0.105 2,67

DO1608C



Part number	Inductance $\pm$ 20% (μ H)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	I _{rms} (A)	
					20° rise	40° rise
DO1608C-102MLC	1.0	0.05	130	2.90	1.90	2.70
DO1608C-152MLC	1.5	0.06	115	2.60	1.90	2.65
DO1608C-222MLC	2.2	0.07	100	2.30	1.85	2.55
DO1608C-272MLC	2.7	0.08	75	2.10	1.80	2.45
DO1608C-332MLC	3.3	0.08	70	2.00	1.60	2.20
DO1608C-472MLC	4.7	0.09	50	1.50	1.40	1.90
DO1608C-682MLC	6.8	0.13	45	1.20	1.20	1.60
DO1608C-822MLC	8.2	0.16	40	1.15	1.10	1.55
DO1608C-103MLC	10	0.16	35	1.10	1.10	1.50
DO1608C-153MLC	15	0.23	30	0.90	0.90	1.25
DO1608C-223MLC	22	0.37	20	0.70	0.75	0.95
DO1608C-333MLC	33	0.51	15	0.58	0.60	0.80
DO1608C-473MLC	47	0.64	14	0.50	0.52	0.70
DO1608C-683MLC	68	0.86	11	0.40	0.44	0.60
DO1608C-104MLC	100	1.27	9.0	0.31	0.37	0.50
DO1608C-154MLC	150	2.00	6.0	0.27	0.28	0.39
DO1608C-224MLC	220	3.11	5.5	0.22	0.23	0.31
DO1608C-334MLC	330	3.80	5.0	0.18	0.22	0.30
DO1608C-474MLC	470	5.06	4.0	0.16	0.20	0.26
DO1608C-684MLC	680	9.20	3.0	0.14	0.14	0.19
DO1608C-105MLC	1000	13.8	2.0	0.10	0.11	0.15

DO3308P Low Profile



Part number	Inductance (μ H)	Percent tolerance*	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	I _{rms} (A)
DO3308P-472_LD	4.7	20,10	0.036	50	4.2	3.2
DO3308P-682_LD	6.8	20,10	0.060	47	3.9	2.6
DO3308P-103_LD	10	20,10	0.085	35	2.7	2.3
DO3308P-153_LD	15	20,10	0.12	33	2.3	1.9
DO3308P-223_LD	22	20,10	0.18	25	1.8	1.5
DO3308P-333_LD	33	20,10	0.25	19	1.6	1.2
DO3308P-473_LD	47	20,10	0.32	14	1.3	1.0
DO3308P-683_LD	68	20,10	0.54	12	1.1	0.90
DO3308P-104_LD	100	20,10	0.69	10	0.87	0.73
DO3308P-154_LD	150	20,10	0.94	8.0	0.74	0.62
DO3308P-224_LD	220	20,10	1.60	6.0	0.56	0.51
DO3308P-334_LD	330	20,10	2.15	5.0	0.50	0.40
DO3308P-474_LD	470	20,10	3.30	4.0	0.40	0.33
DO3308P-684_LD	680	20,10	4.40	3.0	0.33	0.28
DO3308P-105_LD	1000	20,10	7.00	2.5	0.29	0.23

DO3316P

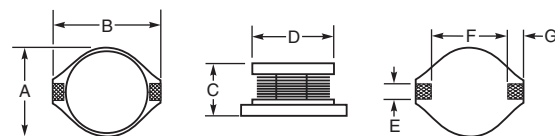


Part number	Inductance (μ H)	Percent tolerance*	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	I _{rms} (A)
DO3316P-102MLD	1.0	20	0.009	100	9.0	6.8
DO3316P-152MLD	1.5	20	0.010	90	8.0	6.4
DO3316P-222_LD	2.2	20,10	0.012	80	7.0	6.1
DO3316P-332_LD	3.3	20,10	0.015	65	6.4	5.4
DO3316P-472_LD	4.7	20,10	0.018	45	5.4	4.8
DO3316P-682_LD	6.8	20,10	0.027	38	4.6	4.4
DO3316P-103_LD	10	20,10	0.038	30	3.8	3.9
DO3316P-153_LD	15	20,10	0.046	27	3.0	3.1
DO3316P-223_LD	22	20,10	0.085	19	2.6	2.7
DO3316P-333_LD	33	20,10	0.10	15	2.0	2.1
DO3316P-473_LD	47	20,10	0.14	12	1.6	1.8
DO3316P-683_LD	68	20,10	0.20	10	1.4	1.5
DO3316P-104_LD	100	20,10	0.28	9	1.2	1.3
DO3316P-154_LD	150	20,10	0.40	6	1.0	1.0
DO3316P-224_LD	220	20,10	0.61	5	0.8	0.80
DO3316P-334_LD	330	20,10	1.02	4.5	0.60	0.60
DO3316P-474_LD	470	20,10	1.27	3.5	0.50	0.50
DO3316P-684_LD	680	20,10	2.02	2.5	0.40	0.40
DO3316P-105_LD	1000	20,10	3.00	2.0	0.30	0.30
DO3316P-155_LD	1500	20,10	4.49	1.7	0.29	0.27
DO3316P-335_LD	3300	20,10	8.97	1.1	0.19	0.17



DO3316T

Part number	Inductance (μ H)	Percent tolerance*	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	I _{rms} (A)
DO3316T-331MLD	0.33	20	0.002	200	20	16
DO3316T-681MLD	0.68	20	0.005	200	13	12
DO3316T-102MLD	1.0	20	0.006	100	11	10
DO3316T-152MLD	1.5	20	0.008	90	9.0	9.0
DO3316T-222_LD	2.2	20,10	0.011	90	7.8	7.4
DO3316T-272_LD	2.7	20,10	0.012	65	7.0	6.6
DO3316T-332_LD	3.3	20,10	0.014	60	6.4	5.9
DO3316T-392_LD	3.9	20,10	0.015	50	5.9	5.3
DO3316T-472_LD	4.7	20,10	0.018	50	5.4	4.8
DO3316T-562_LD	5.6	20,10	0.021	45	4.7	4.65
DO3316T-682_LD	6.8	20,10	0.024	43	4.4	4.40
DO3316T-822_LD	8.2	20,10	0.032	34	4.0	4.15
DO3316T-103_LD	10	20,10	0.034	31	3.9	3.90
DO3316T-123_LD	12	20,10	0.036	27	3.4	3.50
DO3316T-153_LD	15	20,10	0.045	25	3.1	3.10
DO3316T-183_LD	18	20,10	0.050	22	2.8	2.90
DO3316T-223_LD	22	20,10	0.070	18	2.5	2.70
DO3316T-273_LD	27	20,10	0.085	18	2.3	2.30
DO3316T-333_LD	33	20,10	0.100	17	2.0	2.10
DO3316T-393_LD	39	20,10	0.120	15	1.8	1.95
DO3316T-473_LD	47	20,10	0.150	14	1.65	1.80
DO3316T-563_LD	56	20,10	0.165	12	1.45	1.65
DO3316T-683_LD	68	20,10	0.220	11	1.40	1.50
DO3316T-823_LD	82	20,10	0.250	10	1.30	1.40
DO3316T-104_LD	100	20,10	0.280	9.0	1.20	1.30
DO3316T-124_LD	120	20,10	0.400	8.0	1.00	1.00
DO3316T-154_LD	150	20,10	0.460	6.0	0.90	0.90
DO3316T-184_LD	180	20,10	0.520	6.0	0.85	0.85
DO3316T-224_LD	220	20,10	0.700	5.0	0.80	0.80
DO3316T-274_LD	270	20,10	0.800	5.0	0.75	0.70
DO3316T-334_LD	330	20,10	1.07	4.5	0.60	0.60
DO3316T-394_LD	390	20,10	1.14	4.0	0.62	0.55
DO3316T-474_LD	470	20,10	1.27	3.5	0.50	0.50



Dimensions (inches mm)

Series	A max	B max	C	D	E	F	G
DO1608C	0.175 4,45	0.260 6,60	0.115 2,92	0.155 3,94	0.050 1,27	0.170 4,32	0.040 1,02
DO3308P	0.370 9,40	0.510 12,95	0.118 3,00	0.330 8,38	0.100 2,54	0.300 7,62	0.100 2,54
DO3316P	0.370 9,40	0.510 12,95	0.205 5,21	0.330 8,38	0.100 2,54	0.300 7,62	0.100 2,54
DO3316T	0.390 9,91	0.510 12,95	0.250 6,35	0.330 8,38	0.160 4,06	0.400 10,16	0.060 1,52

* Bold numbers indicate tolerances carried in stock. When ordering, please replace underscore in part number with the proper tolerance code: K = 10%, M = 20%. (e.g. DO3308P-105KLD for a 10% tolerance part.)



D01607B



Part number	Inductance ±20% (mH)	DCR max (Ohms)	Insulation core-winding (MOhms)	Isat (mA) 10% drop	Irms (mA)
D01607B-105MLC	1.0	19	>10	100	150
D01607B-155MLC	1.5	21	>10	75	140
D01607B-225MLC	2.2	42	>10	60	100
D01607B-335MLC	3.3	52	>10	50	90
D01607B-475MLC	4.7	80	>10	45	75
D01607B-685MLC	6.8	125	>10	40	60



D01813H High Current



Part number	Inductance ref (µH)	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 30% drop	Irms (A)
D01813H-181MLD	0.18	0.18	0.003	800	14.0	10.0
D01813H-331MLD	0.33	0.33	0.004	600	10.0	7.0
D01813H-561MLD	0.56	0.56	0.010	200	7.7	6.0
D01813H-122MLD	1.2	1.15	0.017	140	5.3	4.4
D01813H-222MLD	2.2	2.06	0.035	100	3.5	3.1
D01813H-332MLD	3.3	3.20	0.040	80	3.0	2.7
D01813H-472MLD	4.7	4.70	0.054	50	2.6	2.2
D01813H-682MLD	6.8	6.80	0.080	45	2.2	1.8
D01813H-822MLD	8.2	8.20	0.092	42	2.0	1.6
D01813H-103MLD	10	9.55	0.110	40	1.9	1.5
D01813H-153MLD	15	15.3	0.17	30	1.5	1.2
D01813H-223MLD	22	22.6	0.25	25	1.2	1.0
D01813H-333MLD	33	32.5	0.35	20	0.99	0.82
D01813H-473MLD	47	48.1	0.47	15	0.87	0.72



D03316H High Current



Part number	Inductance ±20% (µH)	Percent tolerance*	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
D03316H-121MLD	0.12	20	0.0015	200	28.0	17.0
D03316H-331MLD	0.33	20	0.002	200	20.0	16.0
D03316H-681MLD	0.68	20	0.005	200	13.0	12.0
D03316H-102MLD	1.0	20	0.006	100	11.0	10.0
D03316H-152MLD	1.5	20	0.008	90	9.0	9.0
D03316H-222_LD	2.2	20 ,10	0.011	80	7.8	7.4
D03316H-272_LD	2.7	20 ,10	0.012	65	7.0	6.6
D03316H-332_LD	3.3	20 ,10	0.014	60	6.4	5.9
D03316H-392_LD	3.9	20 ,10	0.015	50	5.9	5.3
D03316H-472_LD	4.7	20 ,10	0.018	45	5.4	4.8

* Bold numbers indicate tolerances carried in stock. When ordering, please replace underscore in part number with the proper tolerance code: K = 10%, M = 20%. (e.g. D03316H-472**K**LD for a 10% tolerance part.)



D03340H



Part number	Inductance (µH)	DCR max (mOhms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)	
					20° rise	40° rise
D03340H-271NLD	0.27 ±30%	2.5	410	54.0	20.0	30.0
D03340H-471NLD	0.47 ±30%	3.0	210	43.0	15.0	22.5
D03340H-102MLD	1.0 ±20%	6.5	130	25.0	10.7	16.0
D03340H-152MLD	1.5 ±20%	7.0	100	21.5	9.70	14.5
D03340H-222MLD	2.2 ±20%	8.0	82	19.0	8.80	13.2
D03340H-272MLD	2.7 ±20%	12	68	16.4	7.40	11.1
D03340H-332MLD	3.3 ±20%	15	60	15.3	6.20	9.30
D03340H-392MLD	3.9 ±20%	17	57	14.1	5.60	8.40
D03340H-472MLD	4.7 ±20%	19	47	13.1	5.10	7.60
D03340H-562MLD	5.6 ±20%	22	42	12.3	4.60	6.90
D03340H-682MLD	6.8 ±20%	24	37	11.2	3.85	5.77
D03340H-822MLD	8.2 ±20%	26	28	10.0	3.50	5.25
D03340H-103MLD	10 ±20%	31	24	9.20	3.20	4.80
D03340H-123MLD	12 ±20%	36	19	8.20	2.90	4.35
D03340H-153MLD	15 ±20%	41	15.0	7.80	2.70	4.05
D03340H-183MLD	18 ±20%	44	15.0	7.30	2.60	3.90
D03340H-223MLD	22 ±20%	52	14.0	6.50	2.40	3.60
D03340H-273MLD	27 ±20%	73	12.6	5.80	2.30	3.45
D03340H-333KLD	33 ±10%	80	12.4	5.50	2.00	3.00
D03340H-393KLD	39 ±10%	95	9.8	5.00	1.80	2.70
D03340H-473KLD	47 ±10%	100	9.0	4.60	1.50	2.25
D03340H-563KLD	56 ±10%	135	7.8	4.20	1.40	2.10
D03340H-683KLD	68 ±10%	145	7.4	3.90	1.20	1.80
D03340H-823KLD	82 ±10%	162	5.9	3.50	1.20	1.80
D03340H-104KLD	100 ±10%	187	6.0	3.20	1.20	1.80
D03340H-124KLD	120 ±10%	240	5.0	2.90	1.00	1.50
D03340H-154KLD	150 ±10%	280	4.7	2.60	0.90	1.35
D03340H-184KLD	180 ±10%	320	4.5	2.50	0.80	1.20
D03340H-224KLD	220 ±10%	375	4.0	2.30	0.70	1.05
D03340H-274KLD	270 ±10%	475	3.7	2.00	0.65	0.97
D03340H-334KLD	330 ±10%	570	3.2	1.80	0.60	0.90
D03340H-394KLD	390 ±10%	685	2.9	1.70	0.55	0.82
D03340H-474KLD	470 ±10%	795	2.6	1.50	0.30	0.45
D03340H-564KLD	560 ±10%	910	2.3	1.40	0.30	0.45
D03340H-684KLD	680 ±10%	1200	2.0	1.25	0.30	0.45
D03340H-824KLD	820 ±10%	1350	1.8	1.15	0.25	0.37
D03340H-105KLD	1000 ±10%	1620	1.5	1.00	0.20	0.30

D03340P High Current



Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
D03340P-103MLD	10	0.040	35	8.0	3.5
D03340P-153MLD	15	0.050	18	7.0	3.0
D03340P-223MLD	22	0.066	13	5.5	2.5
D03340P-333MLD	33	0.080	11	4.0	2.0
D03340P-473MLD	47	0.11	9.0	3.8	1.6
D03340P-683MLD	68	0.17	7.0	3.0	1.2
D03340P-104MLD	100	0.22	5.5	2.5	1.2
D03340P-154MLD	150	0.34	4.5	2.0	0.9
D03340P-224MLD	220	0.44	3.5	1.6	0.7
D03340P-334MLD	330	0.70	3.0	1.2	0.6
D03340P-474MLD	470	0.95	2.5	1.0	0.3
D03340P-684MLD	680	1.15	2.0	1.0	0.2
D03340P-105MLD	1000	2.0	1.5	0.8	0.1



DO5010H High Current



Part number	Inductance ±20% (µH)	DCR max (mOhms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
DO5010H-781MLD	0.78	2.6	156	30	15
DO5010H-152MLD	1.5	4.0	100	25	15
DO5010H-222MLD	2.2	6.1	75	20	12
DO5010H-332MLD	3.3	8.6	60	17	10
DO5010H-392MLD	3.9	10	55	15	9.0
DO5010H-472MLD	4.7	14	40	13	8.4
DO5010H-602MLD	6.0	17	35	12	7.5
DO5010H-782MLD	7.8	18	35	11	7.5
DO5010H-103MLD	10	26	28	10	6.0
DO5010H-123MLD	12	28	26	8.5	5.2
DO5010H-153MLD	15	32	20	8	4.4
DO5010H-223MLD	22	47	20	7.0	3.5
DO5010H-333MLD	33	66	15	5.5	3.0
DO5010H-473MLD	47	86	9.0	4.5	2.6
DO5010H-683MLD	68	130	8.0	3.5	2.3
DO5010H-104MLD	100	190	7.0	3.0	1.8
DO5010H-154MLD	150	250	6.0	2.6	1.5
DO5010H-224MLD	220	380	5.0	2.4	1.2
DO5010H-334MLD	330	560	4.0	1.9	1.0
DO5010H-474MLD	470	850	3.0	1.4	0.82
DO5010H-684MLD	680	1100	2.5	1.2	0.72
DO5010H-105MLD	1000	1800	2.0	1.0	0.56



DO5040H High Current



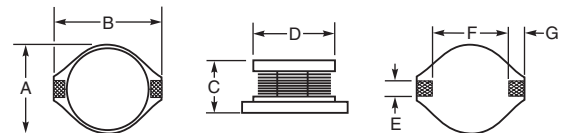
Part number	Inductance (µH)	DCR max (mOhms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)
DO5040H-282MLD	2.8±20%	5.2	65	33.4	12.1
DO5040H-392MLD	3.9±20%	6.0	40	26.8	11.2
DO5040H-682MLD	6.8±20%	9.0	30	22.5	9.6
DO5040H-103MLD	10±20%	11	22	17.8	8.6
DO5040H-123MLD	12±20%	13	21	15.9	7.4
DO5040H-153MLD	15±20%	20	18	13.8	6.5
DO5040H-183MLD	18±20%	22	14	13.2	6.0
DO5040H-223MLD	22±20%	24	13	11.8	5.7
DO5040H-333MLD	33±20%	37	10	9.6	4.5
DO5040H-473MLD	47±20%	52	8.0	7.8	3.7
DO5040H-683MLD	68±20%	67	7.0	6.7	3.4
DO5040H-104MLD	100±20%	115	6.0	5.6	2.8
DO5040H-334KLD	330±10%	325	3.0	3.0	1.5
DO5040H-684KLD	680±10%	780	1.6	2.0	1.1
DO5040H-145KLD	1400±10%	1300	1.0	1.5	0.7

DO5022P



Part number	Inductance ±20% (µH)	Percent tolerance*	DCR max (Ohms)	SRF typ (MHz)	Isat (A)		Irms (A)
					10% drop	20% drop	
DO5022P-102MLD	1.0	20	0.009	80	27.6	28.8	8.6
DO5022P-222MLD	2.2	20	0.014	80	18.5	19.8	7.1
DO5022P-332MLD	3.3	20	0.018	60	14.5	15.5	6.2
DO5022P-562MLD	5.6	20	0.020	40	12.5	13.8	5.3
DO5022P-822MLD	8.2	20	0.029	30	10.3	11.5	4.8
DO5022P-103MLD	10	20	0.031	30	9.4	10.5	4.3
DO5022P-153MLD	15	20	0.036	22	7.5	8.2	4.0
DO5022P-223MLD	22	20	0.047	20	6.5	7.2	3.5
DO5022P-333MLD	33	20	0.066	15	5.2	6.1	3.0
DO5022P-473MLD	47	20	0.086	9	4.2	4.7	2.6
DO5022P-683_LD	68	20,10	0.13	8	3.7	4.1	2.3
DO5022P-104_LD	100	20,10	0.19	7	3.0	3.4	1.8
DO5022P-154_LD	150	20,10	0.25	6	2.5	2.8	1.5
DO5022P-224_LD	220	20,10	0.38	5	2.0	2.3	1.2
DO5022P-334_LD	330	20,10	0.56	4	1.7	1.9	1.0
DO5022P-474_LD	470	20,10	0.85	3	1.5	1.7	0.82
DO5022P-684_LD	680	20,10	1.1	2.5	1.2	1.3	0.72
DO5022P-105_LD	1000	20,10	1.8	2.0	0.95	1.1	0.56

* Bold numbers indicate tolerances carried in stock. When ordering, please replace underscore in part number with the proper tolerance code: K = 10%, M = 20%. (e.g. DO5022P-683**K**LD for a 10% tolerance part.)



Dimensions (inches mm)

Series	A max	B max	C	D	E	F	G
DO1607B	0.175 4,45	0.260 6,60	0.098 2,49	0.155 3,94	0.050 1,27	0.170 4,32	0.040 1,02
DO1813H	0.240 6,10	0.350 8,89	0.197 5,00	0.180 4,60	0.160 4,06	0.230 5,84	0.075 1,91
DO3316H	0.390 9,91	0.510 12,95	0.250 6,35	0.330 8,38	0.160 4,06	0.400 10,16	0.060 1,52
DO3340H	0.390 9,91	0.520 13,21	0.470 11,91	0.330 8,38	0.125 3,18	0.360 9,14	0.060 1,52
DO3340P	0.370 9,40	0.510 12,95	0.450 11,43	0.330 8,38	0.100 2,54	0.300 7,62	0.100 2,54
DO5010H	0.600 15,24	0.730 18,54	0.315 8,00	0.500 12,70	0.200 5,08	0.580 14,73	0.065 1,65
DO5022P	0.600 15,24	0.730 18,54	0.280 7,11	0.500 12,70	0.100 2,54	0.500 12,70	0.100 2,54
DO5040H	0.640 16,26	0.880 22,35	0.472 12,00	0.500 12,70	0.450 11,43	0.565 14,35	0.125 3,18

Q200
85°**RFB0807**

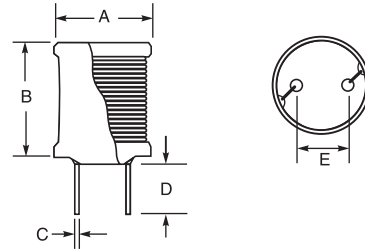
Part number	Inductance	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)	
					20°C rise	40°C rise
RFB0807-1R0L	0.9 μ H $\pm$ 20%	0.008	180	10.0	6.00	8.50
RFB0807-2R2L	2.2 μ H $\pm$ 20%	0.012	80	6.00	5.00	7.50
RFB0807-2R7L	2.7 μ H $\pm$ 20%	0.014	40	5.50	4.60	6.54
RFB0807-3R3L	3.3 μ H $\pm$ 20%	0.017	40	5.00	4.20	5.97
RFB0807-3R9L	3.9 μ H $\pm$ 20%	0.020	40	4.50	3.70	5.26
RFB0807-4R7L	4.7 μ H $\pm$ 20%	0.024	40	4.20	3.50	4.98
RFB0807-5R6L	5.6 μ H $\pm$ 20%	0.028	40	4.00	3.40	4.83
RFB0807-6R8L	6.8 μ H $\pm$ 20%	0.033	30	3.60	3.20	4.55
RFB0807-8R2L	8.2 μ H $\pm$ 20%	0.035	30	3.30	3.00	4.27
RFB0807-100L	10 μ H $\pm$ 10%	0.040	30	3.10	3.00	4.20

Q200
85°**RFB1010**

Part number	Inductance $\pm$ 10%	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)	
					20°C rise	40°C rise
RFB1010-120L	12 μ H	0.025	20	5.60	4.00	5.70
RFB1010-150L	15 μ H	0.028	19	5.00	3.75	5.40
RFB1010-180L	18 μ H	0.030	16	4.60	3.50	5.00
RFB1010-220L	22 μ H	0.042	15	4.10	3.30	4.70
RFB1010-270L	27 μ H	0.046	12	3.70	3.00	4.40
RFB1010-330L	33 μ H	0.055	11	3.40	2.80	4.10
RFB1010-390L	39 μ H	0.075	10.3	3.10	2.60	3.80
RFB1010-470L	47 μ H	0.082	9.5	2.80	2.40	3.50
RFB1010-560L	56 μ H	0.090	8.6	2.60	2.20	3.20

Q200
85°**RFB0810**

Part number	Inductance $\pm$ 10%	DCR max (Ohms)	SRF typ (MHz)	Isat (A) 10% drop	Irms (A)	
					20°C rise	40°C rise
RFB0810-100L	10 μ H	0.030	22	4.20	4.00	5.30
RFB0810-120L	12 μ H	0.035	20	3.90	3.75	5.10
RFB0810-150L	15 μ H	0.040	17	3.60	3.52	4.80
RFB0810-180L	18 μ H	0.040	15	3.30	3.30	4.50
RFB0810-220L	22 μ H	0.050	12	2.90	3.20	4.20
RFB0810-270L	27 μ H	0.055	12	2.60	2.87	3.90

**Dimensions** (inches mm)

Series	A max	B max	C	D	E
RFB0807	0.35 8.80	0.30 7.50	0.024 0.60	0.157 4.0	0.197 5.0
RFB0810	0.37 9.50	0.45 11.5	0.024 0.60	0.157 4.0	0.197 5.0
RFB1010	0.43 11.0	0.45 11.5	0.031 0.80	0.157 4.0	0.236 6.0

**Dual Inductors for Class-D**

Coilcraft offers a unique selection of dual inductors that significantly improve performance and reduce board area with a compact, single shielded package. Good linearity and ultra low total losses minimize total harmonic distortion plus noise (THD+N). With no crosstalk between windings, their high efficiency makes them ideal for use in handheld audio devices, portable docking stations, high-end TV soundbars, active speakers and subwoofers and automotive stereo audio systems.

Q200
125°**UA801x**

Part number	Output (W)	Inductance $\pm$ 10% (μ H)	DCR max (mOhms)	SRF typ (MHz)	Isat (A)			Irms (A)	
					10% drop	20% drop	30% drop	20°C rise	40°C rise
UA8013-ALD	100	7.0	6.6	40	12.0	12.5	13.2	6.5	9.0
UA8014-ALD	100	10.0	6.6	28	8.7	9.1	9.4	6.5	9.0

Q200
125°**HA4158, JA4575, GA3416**

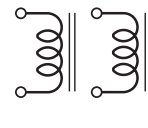
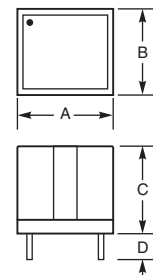
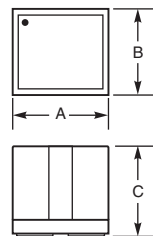
Part number	Output (W)	Inductance $\pm$ 10% (μ H)	DCR max (mOhms)	SRF typ (MHz)	Isat (A)			Irms (A)	
					10% drop	20% drop	30% drop	20°C rise	40°C rise
HA4158-ELD	68	10.0	13.0	21.5	6.0	6.7	7.1	4.0	6.0
JA4575-BLD	68	10.0	13.0	21.5	6.0	6.7	7.1	4.0	6.0
GA3416-CLD	60	10.0	21.0	23.6	8.6	8.7	8.8	3.0	4.3

Q200
125°**RA7231**

Part number	Output (W)	Inductance $\pm$ 10% (μ H)	DCR max (mOhms)	SRF typ (MHz)	Isat (A)			Irms (A)	
					10% drop	20% drop	30% drop	20°C rise	40°C rise
RA7231-ALD	40	5.0	6.0	34	15.5	16.6	17.6	7.6	10.6

UA801x, HA4158,
GA3416, RA7231

JA4575

**Dimensions** (inches mm)

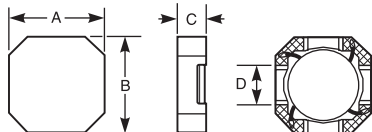
Series	A max	B max	C	D
GA3416	0.610 15.50	0.535 13.59	0.520 13.21	
HA4158	0.466 11.84	0.423 10.75	0.419 10.65	
JA4575	0.466 11.84	0.423 10.75	0.390 9.91	0.110 2.80
RA7231	0.610 15.50	0.551 14.00	0.630 16.00	
UA8013	0.610 15.50	0.551 14.00	0.630 16.00	
UA8014	0.610 15.50	0.551 14.00	0.630 16.00	

LPD6235 Coupled



Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	both windings	one winding
LPD6235-682MRC	6.8	0.060	31	2.80	3.00	3.12	1.40	1.98
LPD6235-103MRC	10	0.079	27	2.50	2.70	2.80	1.30	1.83
LPD6235-223MRC	22	0.150	15	1.50	1.67	1.73	0.85	1.20
LPD6235-473MRC	47	0.315	9.7	0.90	0.98	0.99	0.60	0.85
LPD6235-104MRC	100	0.60	7.0	0.62	0.72	0.74	0.40	0.56
LPD6235-474MRC	470	1.75	3.0	0.18	0.22	0.23	0.25	0.35
LPD6235-105MRC	1000	3.50	1.9	0.12	0.14	0.15	0.15	0.21
LPD6235-155MRC	1500	5.40	1.5	0.12	0.12	0.13	0.14	0.20
LPD6235-205MRC	2000	8.00	1.3	0.08	0.11	0.12	0.11	0.16

LPD6235



Dimensions (inches mm)

Series	A max	B max	C	D
LPD6235	0.239 6.08	0.239 6.08	0.138 3.5	0.079 2.00



MSD1260 Coupled*



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	K typ	Leak L typ (µH)	Isat (A) 30% drop	Irms (A)	
							both windings	one winding
MSD1260-472MLD	4.7 ±20%	0.018	32	0.98	0.20	10.30	3.16	4.47
MSD1260-562MLD	5.6 ±20%	0.020	31	0.98	0.20	9.66	3.00	4.24
MSD1260-682MLD	6.8 ±20%	0.024	28	0.98	0.24	9.21	2.75	3.88
MSD1260-822MLD	8.2 ±20%	0.026	25	0.98	0.25	8.55	2.63	3.72
MSD1260-103MLD	10 ±20%	0.030	22	0.99	0.26	7.40	2.45	3.46
MSD1260-123MLD	12 ±20%	0.037	21	0.99	0.28	6.86	2.21	3.12
MSD1260-153MLD	15 ±20%	0.042	17.6	0.99	0.32	6.09	2.06	2.92
MSD1260-183MLD	18 ±20%	0.048	17.0	0.99	0.40	5.30	1.93	2.73
MSD1260-223MLD	22 ±20%	0.058	15.0	0.98	0.68	5.01	1.76	2.49
MSD1260-273MLD	27 ±20%	0.062	13.6	0.99	0.50	4.66	1.70	2.41
MSD1260-333MLD	33 ±20%	0.067	12.7	0.99	0.65	4.22	1.64	2.32
MSD1260-393MLD	39 ±20%	0.071	11.7	0.99	1.09	3.80	1.59	2.25
MSD1260-473MLD	47 ±20%	0.087	8.7	0.99	0.80	3.25	1.44	2.03
MSD1260-563MLD	56 ±20%	0.099	7.6	0.99	0.75	3.07	1.35	1.91
MSD1260-683MLD	68 ±20%	0.108	6.1	>0.99	0.57	2.83	1.29	1.83
MSD1260-823MLD	82 ±20%	0.137	5.3	0.99	1.52	2.55	1.15	1.62
MSD1260-104MLD	100 ±20%	0.161	5.0	0.99	1.41	2.20	1.06	1.50
MSD1260-124KLD	120 ±10%	0.209	4.4	0.99	1.34	2.05	0.93	1.31
MSD1260-154KLD	150 ±10%	0.238	4.0	0.99	1.52	1.82	0.87	1.23
MSD1260-184KLD	180 ±10%	0.268	3.6	0.99	1.80	1.60	0.82	1.16
MSD1260-224KLD	220 ±10%	0.346	3.2	>0.99	1.60	1.51	0.72	1.02
MSD1260-274KLD	270 ±10%	0.403	2.8	>0.99	2.23	1.41	0.67	0.95
MSD1260-334KLD	330 ±10%	0.545	2.5	>0.99	2.39	1.28	0.57	0.81
MSD1260-394KLD	390 ±10%	0.600	2.3	>0.99	3.72	1.16	0.55	0.77
MSD1260-474KLD	470 ±10%	0.795	2.1	>0.99	2.89	1.00	0.48	0.67
MSD1260-564KLD	560 ±10%	0.905	2.0	>0.99	2.55	0.95	0.45	0.63
MSD1260-684KLD	680 ±10%	1.030	1.8	>0.99	5.76	0.88	0.42	0.59
MSD1260-824KLD	820 ±10%	1.325	1.5	>0.99	2.86	0.79	0.37	0.52
MSD1260-105KLD	1000 ±10%	1.530	1.2	>0.99	4.32	0.69	0.34	0.49



MSD7342 Coupled



Part number	Inductance ±20% (µH)	DCR max (Ohms)	SRF typ (MHz)	K typ	Leak L typ (µH)	Isat (A) 30% drop	Irms (A)	
							both windings	one winding
MSD7342-252MLC	2.5	0.033	55	0.97	0.14	6.3	2.17	3.06
MSD7342-332MLC	3.3	0.037	43	0.99	0.09	5.4	2.05	2.89
MSD7342-472MLC	4.7	0.051	35	0.99	0.11	4.6	1.74	2.46
MSD7342-562MLC	5.6	0.063	32	0.99	0.09	4.2	1.57	2.22
MSD7342-682MLC	6.8	0.070	30	0.99	0.14	3.9	1.49	2.10
MSD7342-822MLC	8.2	0.075	27	0.98	0.25	3.5	1.44	2.03
MSD7342-103MLC	10	0.100	22	0.98	0.30	3.0	1.24	1.76
MSD7342-123MLC	12	0.120	20	0.98	0.36	2.7	1.14	1.61
MSD7342-153MLC	15	0.130	18	0.98	0.49	2.4	1.09	1.54
MSD7342-183MLC	18	0.170	15	>0.99	0.16	2.3	0.95	1.35
MSD7342-223MLC	22	0.220	13.5	>0.99	0.20	2.1	0.84	1.19
MSD7342-273MLC	27	0.250	12.0	>0.99	0.20	1.9	0.79	1.11
MSD7342-333MLC	33	0.270	11.0	>0.99	0.15	1.7	0.76	1.07
MSD7342-393MLC	39	0.380	10.0	0.99	0.70	1.5	0.64	0.90
MSD7342-473MLC	47	0.420	9.5	>0.99	0.30	1.4	0.61	0.86
MSD7342-563MLC	56	0.460	8.7	>0.99	0.51	1.3	0.58	0.82
MSD7342-683MLC	68	0.600	7.3	>0.99	0.51	1.2	0.51	0.72
MSD7342-823MLC	82	0.680	6.2	0.99	1.17	1.1	0.48	0.67
MSD7342-104MLC	100	0.770	5.5	>0.99	0.96	0.98	0.45	0.63
MSD7342-124MLC	120	1.03	4.5	>0.99	0.61	0.90	0.39	0.55
MSD7342-154MLC	150	1.35	4.0	>0.99	0.54	0.80	0.34	0.48
MSD7342-184MLC	180	1.52	3.8	>0.99	0.75	0.73	0.32	0.45
MSD7342-224MLC	220	1.72	3.5	>0.99	1.43	0.66	0.30	0.42
MSD7342-274MLC	270	2.41	3.3	>0.99	1.56	0.60	0.25	0.36
MSD7342-334MLC	330	2.70	3.0	>0.99	1.65	0.54	0.24	0.34
MSD7342-394MLC	390	3.05	2.8	0.99	4.73	0.50	0.23	0.32
MSD7342-474MLC	470	4.00	2.6	0.99	5.50	0.46	0.20	0.28
MSD7342-564MLC	560	4.43	2.5	>0.99	4.85	0.42	0.19	0.26
MSD7342-684MLC	680	5.00	2.3	0.99	7.59	0.38	0.18	0.25
MSD7342-824MLC	820	6.80	2.2	>0.99	8.01	0.35	0.15	0.21
MSD7342-105MLC	1000	7.80	2.0	>0.99	8.69	0.31	0.14	0.20

MSD1514 Coupled



Part number	Inductance (µH)	DCR max (Ohms)	SRF typ (MHz)	K typ	Leak L typ (µH)	Isat (A) 30% drop	Irms (A)	
							both windings	one winding
MSD1514-252MED	2.5 ±20%	0.012	34.0	0.97	0.20	30.5	5.1	7.8
MSD1514-472MED	4.7 ±20%	0.014	25.0	0.98	0.20	23.7	4.5	7.6
MSD1514-103MED	10 ±20%	0.018	16.5	0.99	0.40	16.2	4.0	6.8
MSD1514-123MED	12 ±20%	0.022	14.5	0.99	0.40	14.8	3.7	6.6
MSD1514-153MED	15 ±20%	0.028	11.0	>0.99	0.42	13.3	3.4	5.8
MSD1514-223MED	22 ±20%	0.036	10.0	>0.99	0.45	11.0	3.0	5.1
MSD1514-273MED	27 ±20%	0.039	8.50	>0.99	0.45	9.90	2.95	4.7
MSD1514-333MED	33 ±20%	0.052	7.20	>0.99	0.45	9.00	2.55	3.9
MSD1514-473MED	47 ±20%	0.075	5.60	>0.99	0.55	7.50	2.20	3.45
MSD1514-683MED	68 ±20%	0.090	5.20	>0.99	0.55	6.20	2.00	3.20
MSD1514-104KED	100 ±10%	0.126	3.80	>0.99	0.55	5.15	1.65	2.50
MSD1514-224KED	220 ±10%	0.287	2.30	>0.99	0.70	3.50	1.10	1.70
MSD1514-334KED	330 ±10%	0.367	2.10	>0.99	0.80	2.83	0.98	1.55
MSD1514-474KED	470 ±10%	0.550	1.65	>0.99	1.2	2.40	0.77	1.30
MSD1514-105KED	1000 ±10%	1.25	1.10	>0.99	2.0	1.63	0.55	0.77

* High-temperature, AEC grade 1 version available.

Visit <https://www.coilcraft.com/en-us/quality/aec-q200-components/>.

Q200
85°**MSD1278 Coupled ***

Part number	Inductance (μ H)	DCR max (Ohms)	SRF typ (MHz)	K typ	Leak L typ (μ H)	Isat (A) 30% drop	Irms (A)	
							both windings	one winding
MSD1278-472MLD	4.7 $\pm$ 20%	0.019	32.0	0.98	0.22	14.90	3.16	4.47
MSD1278-562MLD	5.6 $\pm$ 20%	0.023	25.0	0.98	0.23	13.40	2.87	4.06
MSD1278-682MLD	6.8 $\pm$ 20%	0.024	24.0	0.98	0.22	13.10	2.81	3.98
MSD1278-822MLD	8.2 $\pm$ 20%	0.025	18.0	0.98	0.34	10.80	2.76	3.90
MSD1278-103MLD	10 $\pm$ 20%	0.029	16.5	0.98	0.34	10.50	2.56	3.62
MSD1278-123MLD	12 $\pm$ 20%	0.031	14.5	0.98	0.36	9.60	2.48	3.50
MSD1278-153MLD	15 $\pm$ 20%	0.036	11.8	0.99	0.41	9.10	2.30	3.25
MSD1278-183MLD	18 $\pm$ 20%	0.040	10.5	0.99	0.37	8.00	2.18	3.08
MSD1278-223MLD	22 $\pm$ 20%	0.048	9.0	0.99	0.41	6.80	1.99	2.81
MSD1278-273MLD	27 $\pm$ 20%	0.060	8.4	0.99	0.43	6.50	1.78	2.52
MSD1278-333MLD	33 $\pm$ 20%	0.075	7.6	0.99	0.56	5.60	1.59	2.25
MSD1278-393MLD	39 $\pm$ 20%	0.080	6.5	0.99	0.64	5.50	1.54	2.18
MSD1278-473MLD	47 $\pm$ 20%	0.090	6.0	0.99	0.70	5.20	1.45	2.05
MSD1278-563MLD	56 $\pm$ 20%	0.095	5.6	0.99	0.76	4.50	1.41	2.00
MSD1278-683MLD	68 $\pm$ 20%	0.105	5.0	0.99	0.88	4.10	1.35	1.90
MSD1278-823MLD	82 $\pm$ 20%	0.140	4.1	0.99	0.85	3.80	1.16	1.65
MSD1278-104MLD	100 $\pm$ 20%	0.150	3.6	>0.99	0.90	3.40	1.13	1.59
MSD1278-124KLD	120 $\pm$ 10%	0.205	3.2	0.99	1.31	3.20	0.96	1.36
MSD1278-154KLD	150 $\pm$ 10%	0.230	3.0	>0.99	1.46	2.80	0.91	1.29
MSD1278-184KLD	180 $\pm$ 10%	0.255	2.7	>0.99	0.93	2.50	0.86	1.22
MSD1278-224KLD	220 $\pm$ 10%	0.345	2.5	>0.99	1.54	2.30	0.74	1.05
MSD1278-274KLD	270 $\pm$ 10%	0.450	2.1	>0.99	1.17	2.10	0.65	0.92
MSD1278-334KLD	330 $\pm$ 10%	0.510	2.0	0.99	4.14	1.90	0.61	0.86
MSD1278-394KLD	390 $\pm$ 10%	0.560	1.8	>0.99	1.64	1.70	0.58	0.82
MSD1278-474KLD	470 $\pm$ 10%	0.715	1.6	>0.99	0.25	1.60	0.50	0.70
MSD1278-564KLD	560 $\pm$ 10%	0.845	1.5	>0.99	2.68	1.50	0.47	0.67
MSD1278-684KLD	680 $\pm$ 10%	1.145	1.4	>0.99	2.11	1.30	0.41	0.58
MSD1278-824KLD	820 $\pm$ 10%	1.275	1.3	>0.99	2.39	1.20	0.39	0.55
MSD1278-105KLD	1000 $\pm$ 10%	1.415	1.1	>0.99	4.28	1.10	0.37	0.52

MSC1278 Coupled

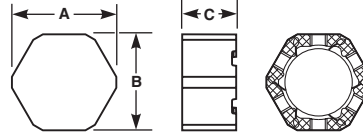
Part number	Inductance (μ H)	DCR max (Ohms)	SRF typ (MHz)	K typ	Leak L typ (μ H)	Isat (A)			Irms (A)	
						10% drop	20% drop	30% drop	both windings	one winding
MSC1278-103MLD	10 $\pm$ 20%	0.058	20	0.80	2.75	8.80	10.0	10.66	2.56	3.62
MSC1278-223KLD	22 $\pm$ 10%	0.096	12	0.82	5.85	6.00	6.80	7.26	1.99	2.81
MSC1278-333KLD	33 $\pm$ 10%	0.15	9.5	0.85	10.1	5.50	6.10	6.52	1.59	2.25
MSC1278-473KLD	47 $\pm$ 10%	0.18	7.8	0.83	14.5	3.70	4.34	4.60	1.45	2.05

MSD1583 Coupled

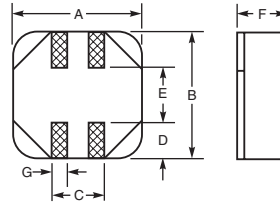
Part number	Inductance (μ H)	DCR max (Ohms)	SRF typ (MHz)	K typ	Leak L typ (μ H)	Isat (A) 30% drop	Irms (A)	
							both windings	one winding
MSD1583-103MED	10 $\pm$ 20%	0.016	16.0	0.98	0.33	14.5	3.68	5.20
MSD1583-123MED	12 $\pm$ 20%	0.019	14.5	0.98	0.36	13.2	3.54	5.00
MSD1583-153MED	15 $\pm$ 20%	0.023	12.0	0.99	0.38	11.8	3.18	4.50
MSD1583-183MED	18 $\pm$ 20%	0.024	11.5	0.99	0.40	10.8	3.04	4.30
MSD1583-223MED	22 $\pm$ 20%	0.033	10.5	0.99	0.40	9.80	2.44	3.45
MSD1583-333MED	33 $\pm$ 20%	0.048	8.0	0.99	0.54	8.00	2.16	3.05
MSD1583-473MED	47 $\pm$ 20%	0.058	7.1	0.99	0.46	6.70	1.98	2.80
MSD1583-683MED	68 $\pm$ 20%	0.083	5.7	0.99	0.79	5.50	1.56	2.20
MSD1583-104KED	100 $\pm$ 10%	0.130	5.1	>0.99	0.59	4.60	1.24	1.75
MSD1583-154KED	150 $\pm$ 10%	0.190	3.7	>0.99	0.70	3.75	1.06	1.50
MSD1583-224KED	220 $\pm$ 10%	0.230	3.2	>0.99	0.89	3.10	0.92	1.30
MSD1583-474KED	470 $\pm$ 10%	0.520	2.2	>0.99	1.16	2.12	0.65	0.92
MSD1583-105KED	1000 $\pm$ 10%	1.200	1.6	>0.99	2.02	1.45	0.42	0.60

LPH8045 Shielded

Part number	Inductance $\pm$ 20% (μ H)	DCR (Ohms)		SRF typ (MHz)	Isat (A)			Irms (A)	
		nom	max		10% drop	20% drop	30% drop	20°C rise	40°C rise
LPH8045-682MRC	6.8	0.208	0.223	31.0	3.30	3.72	3.90	0.95	1.30
LPH8045-822MRC	8.2	0.228	0.250	27.4	3.00	3.40	3.65	0.92	1.26
LPH8045-103MRC	10	0.241	0.261	25.0	2.65	3.10	3.35	0.90	1.21
LPH8045-153MRC	15	0.306	0.331	18.9	2.30	2.65	2.90	0.80	1.09
LPH8045-223MRC	22	0.390	0.395	15.0	1.70	1.90	2.10	0.65	0.89

LPH8045**Dimensions** (inches mm)

Series	A max	B max	C
LPH8045	0.350 8,90	0.318 8,05	0.185 4,70

**MSC1278, MSD12xx,
MSD15xx, MSD7342****Dimensions** (inches mm)

Series	A max	B max	C	D	E	F	G
MSC1278	0.484 12,3	0.484 12,3	0.197 5,0	0.138 3,5	0.197 5,0	0.317 8,05	0.059 1,5
MSD1260	0.484 12,3	0.484 12,3	0.244 6,2	0.138 3,5	0.197 5,0	0.197 5,0	0.059 1,5
MSD1278	0.484 12,3	0.484 12,3	0.197 5,0	0.138 3,5	0.197 5,0	0.317 8,05	0.059 1,5
MSD1514	0.787 15,5	0.787 15,5	0.220 5,6	0.130 3,3	0.331 8,2	0.559 14,2	0.074 1,9
MSD1583	0.610 15,5	0.610 15,5	0.220 5,6	0.126 3,2	0.331 8,4	0.339 8,6	0.075 1,9
MSD7342	0.295 7,5	0.295 7,5	0.091 2,3	0.063 1,6	0.150 3,8	0.181 4,6	0.028 0,7

Common Mode EMI/RFI Filters

Coilcraft offers EMI/RFI common mode chokes for the suppression of radiated and/or conducted EMI. Data/signal line filters such as our **USB** Family dramatically suppress common mode noise with minimal impact on high-speed differential signals. The **PFD**, **LPD** and **MSD** parts can be used to attenuate common-mode or differential-mode noise in both data and power line applications. Power line chokes like the **CMT** and **BU** Series reduce common mode noise from AC power.

Data Line Common Mode EMI Chokes

The **CJ5100**, **CQ7584**, and **CR7856** surface mount data line common mode chokes are designed to attenuate up to 100 MHz common mode noise. The **PDLF** Series can reduce noise by a factor of 32 from 15 MHz to 300 MHz and are available in 2, 3 and 4 line versions. The **PTRF** Series is optimized for FCC and ITU-T (formerly CCITT) requirements. These parts provide 15 to 25 dB attenuation, greater than 1000 Ohms impedance and 1500 V isolation between windings. **M2022** can suppress common mode noise up to 500 MHz in a compact 1812 package.

CJ5100, CQ7584, CR7856



Part number	Common mode peak impedance max (kOhms)	Cutoff frequency (MHz)	Inductance (mH)		DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			nom	min			
CJ5100-AL	4.49 @ 9.9 MHz	920	0.47	0.329	0.24	500	850
CQ7584-AL	6.81 @ 4.1 MHz	760	2.20	1.54	0.40	500	650
CR7856-AL	11.11 @ 1.9 MHz	460	4.70	3.29	1.3	500	470

DFT4532



Part number	Common mode impedance max (kOhms)	Cutoff frequency (MHz)	Inductance (mH)		DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			nom	min			
DFT4532-513BLC	2.01 @ 61 MHz	670	0.051	0.0357	0.320	250	370
DFT4532-513SLC	1.92 @ 99 MHz	28	0.051	0.0357	0.320	250	370
DFT4532-104BLC	0.64 @ 9.7 MHz	900	0.100	0.070	0.200	250	500
DFT4532-224BLC	1.46 @ 4.3 MHz	650	0.220	0.154	0.270	250	490
DFT4532-474BLC	3.04 @ 9.6 MHz	490	0.470	0.329	0.380	250	350

DFT7160



Part number	Common mode impedance max (kOhms)	Cutoff frequency (MHz)	Inductance min (mH)		DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			nom	min			
DFT7160-513BLC	3.97 @ 69 MHz	25	0.0357	0.030	0.300	250	700
DFT7160-513SLC	4.00 @ 55 MHz	570	0.0357	0.300	0.300	250	700
DFT7160-474BLC	2.42 @ 7.5 MHz	410	0.329	0.210	0.250	1000	1000
DFT7160-105BLC	3.12 @ 6.0 MHz	420	0.700	0.210	0.250	900	900
DFT7160-225BLC	6.66 @ 4.7 MHz	670	1.54	0.500	0.250	600	600
DFT7160-475BLC	13.47 @ 3.0 MHz	440	3.29	0.600	0.250	500	500

PDLF



Part number	Lines	Common mode peak impedance (kOhms)	Cutoff frequency (GHz)	Inductance min (μH)	DCR max (mOhms)	Isolation (Vrms)	Current (mA)
PDLF4000LC	4	0.949 @ 210 MHz	1.1	5.0	250	300	100
PDLF4500LC	4	0.848 @ 200 MHz	0.88	5.0	200	300	500
PDLF3000LC	3	0.901 @ 280 MHz	1.4	5.0	250	300	100
PDLF3500LC	3	0.910 @ 210 MHz	1.1	5.0	200	300	500
PDLF2000LC	2	0.958 @ 280 MHz	1.3	5.0	250	300	100
PDLF2500LC	2	0.929 @ 250 MHz	1.2	5.0	200	300	500

PTRF



Part number	Lines	Common mode peak impedance (kOhms)	Cutoff frequency (MHz)	Inductance min (μH)	DCR max (mOhms)	Isolation (Vrms)	Current (mA)
PTRF2000LC	1	0.814 @ 11 MHz	38	35	75	1500	500
PTRF4000LC	2	0.851 @ 12 MHz	41	35	135	1500	500

M2022



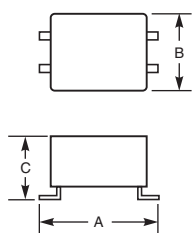
Part number	Common mode impedance max (kOhms)	Cutoff frequency (MHz)	Inductance min (μH)	DCR max (mOhms)	Isolation (Vrms)	Current (mA)
M2022-ALC	38.3 @ 120 MHz	170	4.2 ±10%	800	50	500
M2022-ALPLC	40.0 @ 160 MHz	120	4.0 ±10%	990	50	500
M2022-ASLC	32.0 @ 66 MHz	140	11.5	850	50	500

1812CAN

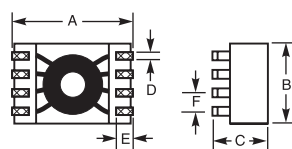


Part number	Inductance ±30% (μH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
1812CAN-113NRC	11	0.27	250	460
1812CAN-223NRC	22	0.40	250	400
1812CAN-513NRC	51	0.59	250	300
1812CAN-104NRC	100	0.80	250	260

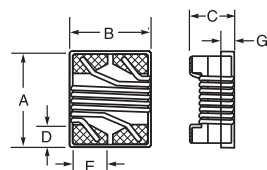
CJ5100, CQ7584, CR7856, DFT7160



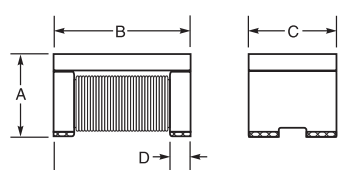
PDLF / PTRF Series



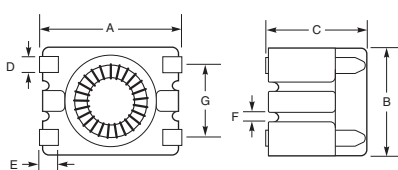
M2022 Series



1812CAN



DFT4532

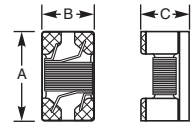


Dimensions (inches mm)

Series	A max	B max	C max	D ref	E typ	F	G
1812CAN	0.195 4,95	0.125 3,18	0.118 3,0	0.028 0,71			
CJ5100-AL	0.370 9,4	0.236 6,0	0.189 4,8				
CQ7584-AL	0.370 9,4	0.220 5,6	0.189 4,8				
CR7856-AL	0.370 9,4	0.217 5,5	0.193 4,9				
DFT4532	0.123 3,095	0.134 3,4	0.126 3,4	0.016 0,40	0.020 0,50	0.012 0,30	0.087 2,20
DFT7160	0.370 9,4	0.220 5,6	0.193 4,9				
M2022-ALC	0.195 4,95	0.150 3,81	0.135 3,43	0.030 0,76	0.040 1,02		0.070 1,78
M2022-ALPLC	0.195 4,95	0.150 3,81	0.079 2,01	0.030 0,76	0.040 1,02		0.070 1,78
M2022-ASLC	0.231 5,87	0.196 4,98	0.150 3,81	0.030 0,76	0.040 1,02		0.107 2,72
PDLF	0.329 8,35	0.223 5,65	0.146 3,70	0.020 0,50	0.0395 1,00	0.050 1,27	
PTRF	0.329 8,35	0.223 5,65	0.146 3,70	0.020 0,50	0.395 1,00	0.050 1,27	

High-Speed Data Line EMI Chokes

Coilcraft's **RA6870**, **CM1394** and **USB** Families of high-speed data line common mode chokes effectively reduce common mode noise in high-speed interfaces like USB 2.0, USB 3.1 Gen 1, HDBaseT™, MOST® bus, etc. They maintain excellent signal integrity for high-speed communications with the -3dB differential mode cutoff frequency up to 6.5 GHz. Most provide greater than 30 dB common mode attenuation at 500 MHz and 25 dB in the GHz band.



0603USB

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			100 MHz	500 MHz	1 GHz				
0603USB-251MLC	>0.10 @ >3.0 GHz	3.8	1.31	3.16	8.45	18	0.077	250	500
0603USB-601MLC	>0.18 @ >3.0 GHz	3.4	3.00	6.88	13.27	37	0.109	250	500
0603USB-951MLC	0.30 @ 2.6 GHz	2.8	4.62	9.75	16.06	63	0.142	250	500
0603USB-142MLC	0.42 @ 1.9 GHz	1.9	6.85	12.80	18.16	98	0.174	250	500
0603USB-222MLC	0.71 @ 2.9 GHz	0.96	9.14	16.53	20.29	150	0.209	250	500

0805USB

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			10 MHz	100 MHz	500 MHz				
0805USB-421MLC	>0.22 @ >3.0 GHz	3.5	1.1	2.3	8.4	23	0.12	250	500
0805USB-901MLC	>0.29 @ >3.0 GHz	2.5	1.4	4.2	16.9	47	0.17	250	500
0805USB-172MLC	0.64 @ 1.8 GHz	1.8	2.3	6.7	22.0	84	0.25	250	500
0805USB-262MLC	0.82 @ 1.8 GHz	1.5	3.0	8.6	27.8	147	0.26	250	500
0805USB-372MLC	1.06 @ 1.4 GHz	0.82	4.5	11.9	34.3	189	0.32	250	500
0805USB-502MLC	1.42 @ 1.1 GHz	0.70	4.9	14.5	31.3	273	0.37	250	500
0805USB-672MLC	1.75 @ 0.93 GHz	0.46	8.4	16.6	30.0	322	0.45	250	500
0805USB-902MLC	2.06 @ 0.90 GHz	0.47	8.7	18.7	30.5	413	0.65	250	400

Dimensions (inches mm)

Series	A max	B max	C max
0603USB	0.063 1,60	0.033 0,84	0.046 1,17
0805USB	0.084 2,13	0.054 1,37	0.065 1,65
0805USBF	0.084 2,13	0.054 1,37	0.055 1,40
0805USBN	0.087 2,20	0.055 1,40	0.037 0,93
1206USB	0.130 3,30	0.067 1,70	0.076 1,93
CM1394	0.231 5,87	0.196 4,98	0.150 3,81
RA6870	0.084 2,13	0.054 1,37	0.065 1,65

Q200
125°

0805USBF

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			10 MHz	100 MHz	500 MHz				
0805USBF-421MRC	>0.14 @ >3.0 GHz	6.6	0.5	4.6	6.9	28	0.11	250	500
0805USBF-901MRC	>0.30 @ >3.0 GHz	5.8	2.1	9.1	11.8	60	0.14	250	500
0805USBF-172MRC	0.52 @ 2.5 GHz	3.3	4.0	12.8	15.7	101	0.22	250	500
0805USBF-262MRC	0.69 @ 2.0 GHz	2.4	5.7	15.4	18.5	165	0.235	250	500
0805USBF-372MRC	0.93 @ 1.8 GHz	1.4	5.8	18.1	22.3	241	0.27	250	500
0805USBF-502MRC	1.22 @ 1.5 GHz	0.93	11.2	21.6	25.2	315	0.32	250	500
0805USBF-672MRC	1.65 @ 1.2 GHz	0.69	11.3	23.3	27.7	434	0.37	250	450
0805USBF-902MRC	1.91 @ 1.0 GHz	0.73	12.6	25.4	30.0	560	0.63	250	350

0805USBN

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			10 MHz	100 MHz	500 MHz				
0805USBN-121MRC	0.14 @ 2.6 GHz	6.4	0.04	0.5	5.0	14	0.11	250	500
0805USBN-271MRC	0.30 @ 2.5 GHz	5.1	0.09	1.4	10.0	30	0.14	250	500
0805USBN-481MRC	0.60 @ 3.0 GHz	3.4	0.13	3.5	14.7	53	0.22	250	500
0805USBN-701MRC	0.79 @ 2.0 GHz	3.4	0.18	5.3	17.4	77	0.235	250	500
0805USBN-941MRC	1.28 @ 1.4 GHz	3.5	0.30	7.6	21.1	105	0.27	250	500
0805USBN-132MRC	1.61 @ 1.2 GHz	2.3	0.50	10.0	24.4	140	0.32	250	500
0805USBN-162MRC	2.00 @ 1.0 GHz	1.5	0.78	12.1	27.3	182	0.37	250	450
0805USBN-222MRC	2.47 @ 0.96 GHz	1.7	1.14	14.0	30.0	252	0.63	250	350

1206USB

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			10 MHz	100 MHz	500 MHz				
1206USB-371MLC	0.21 @ 3.0 GHz	2.7	1.2	4.8	8.1	31	0.10	250	1000
1206USB-102MLC	0.36 @ 1.9 GHz	2.2	3.8	9.0	13.3	66	0.14	250	850
1206USB-172MLC	0.55 @ 1.5 GHz	2.1	5.0	12.4	18.0	107	0.18	250	700
1206USB-262MLC	0.76 @ 1.1 GHz	2.0	6.1	15.3	21.0	161	0.22	250	600
1206USB-372MLC	1.11 @ 1.1 GHz	1.2	9.1	18.5	24.4	226	0.26	250	600
1206USB-532MLC	1.45 @ 0.93 GHz	0.78	10.9	21.4	26.3	319	0.30	250	600
1206USB-672MLC	1.69 @ 0.93 GHz	0.75	13.9	23.4	28.0	412	0.34	250	500
1206USB-872MLC	1.99 @ 0.72 GHz	0.53	16.3	25.3	29.4	510	0.39	250	500
1206USB-113MLC	2.24 @ 0.66 GHz	0.51	16.9	27.1	30.0	623	0.44	250	500
1206USB-223MLC	3.36 @ 0.34 GHz	0.22	22.4	33.1	32.3	1040	0.085	250	120

CM1394

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (A)
			100 MHz	400 MHz	500 MHz				
CM1394LC	0.813 @ 660 MHz	1.2	11.1	21.1	22.7	220	0.105	50	1.5

Q200
125°

RA6870

Part number	Common mode impedance (kOhms)	Cutoff frequency (GHz)	Common mode attenuation typ (dB)			Inductance min (nH)	DCR max (Ohms)	Isolation (Vrms)	Irms (mA)
			10 MHz	100 MHz	500 MHz				
RA6870-ALC	1.94 @ 700 MHz	0.59	12.7	26.2	30.8	700	0.69	250	300

Surface Mount Power Line Common Mode EMI Chokes

Coilcraft's low-cost, high-performance surface mount power line common mode chokes come in a variety of sizes and packages. They are designed to eliminate AC line conducted common mode noise across a broad range of frequencies, with up to 1500 Vrms isolation. These common mode chokes can operate for a wide range of current from 0.06 Amps to 15 Amps, providing attenuation where line filtering is needed, such as in switch-mode power supplies.

Power Line



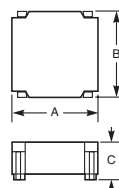
Part number	Common mode peak impedance (kOhms)	Inductance (mH)		I _{rms} (A)	DCR max (mOhms)	Isolation (Vrms)
		nom	min			
CE1755-AL	3.33 @ 5.8 MHz	0.88	0.57	1.2	130	1000
CR7915-AL	3.10 @ 4.9 MHz	1.12	0.73	2.6	49.5	1500
CF3094-AL	7.95 @ 2.8 MHz	1.17	0.76	1.1	200	1000
CM6518-AL	4.17 @ 1.9 MHz	1.40	0.91	2.5	60.0	1000
CJ5094-CL	28.28 @ 0.26 MHz	10.0	6.5	1.2	180	1000
CV9172-AL	70.01 @ 0.21 MHz	22.0	14.3	0.57	850	1000
CF2638L	2.59 @ 4.5 MHz	0.22	0.14	2.9	60.0	1000
CD1479-AL	4.19 @ 3 MHz	0.59	0.38	4.2	20.0	1000
CH4659-AL	4.56 @ 2.5 MHz	0.77	0.50	4.7	40.0	1000
CD1480-BL	4.53 @ 2.2 MHz	1.32	0.85	3.5	60.0	1000
CE2439L	9.42 @ 1.1 MHz	1.47	0.96	2.5	80.0	1000
CG3333-AL	2.27 @ 3.1 MHz	0.90	0.59	3.7	50.0	1000
CG3528-AL	6.57 @ 0.98 MHz	3.00	1.95	3.1	42.0	1000
CE1759-AL	5.65 @ 1.8 MHz	0.81	0.52	6.0	14.0	1000
CG3885-AL	3.11 @ 1.8 MHz	0.47	0.30	10.0	8.0	1000
CF2805-AL	3.64 @ 1.9 MHz	0.63	0.40	6.8	14.0	1000

SBU9

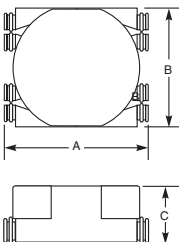


Part number	Common mode peak impedance (kOhms)	Inductance (mH)		I _{rms} (A)	DCR max (Ohms)	Isolation (Vrms)
		min	max			
SBU9-103R25LD	94.40 @ 230 kHz	10	0.25	2.5	1500	
SBU9-2820R5LD	26.31 @ 570 kHz	2.8	0.50	0.70	1500	
SBU9-1320R7LD	12.68 @ 900 kHz	1.3	0.70	0.38	1500	
SBU9-6011R0LD	6.66 @ 1300 kHz	0.6	1.00	0.20	1500	

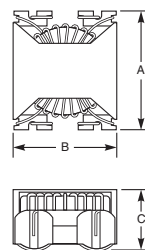
CE1755,
CR7915,
CF3094



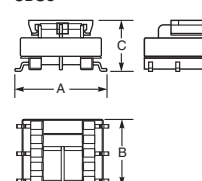
CE1759,
CG3885,
CF2805



CM6518,
CJ5094,
CV9172,
CF2638L,
CD1479,
CH4659,
CD1480,
CE2439L,
CG3333,
CG3528



SBU9



Dimensions (inches mm)

Series	A max	B max	C max
CE1755	0.512 13.0	0.512 13.0	0.215 5.46
CR7915	0.512 13.0	0.512 13.0	0.220 5.6
CF3094	0.512 13.0	0.512 13.0	0.215 5.46
CM6518	0.645 16.38	0.560 14.22	0.350 8.90
CJ5094	0.645 16.38	0.560 14.22	0.350 8.90
CV9172	0.645 16.38	0.560 14.22	0.350 8.90
CF2638L	0.770 19.56	0.670 17.02	0.390 9.91
CD1479	0.770 19.56	0.670 17.02	0.390 9.91
CH4659	0.770 19.56	0.670 17.02	0.390 9.91
CD1480	0.770 19.56	0.670 17.02	0.390 9.91
CE2439L	0.770 19.56	0.670 17.02	0.390 9.91
CG3333	0.770 19.56	0.670 17.02	0.390 9.91
CG3528	0.770 19.56	0.670 17.02	0.390 9.91
CE1759	1.02 26.0	1.22 31.0	0.512 13.0
CG3885	1.02 26.0	1.22 31.0	0.50 12.7
CF2805	1.02 26.0	1.22 31.0	0.50 12.7
SBU9	0.717 18.2	0.492 12.5	0.362 9.2

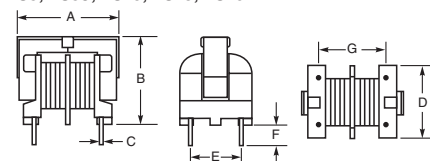
Through-Hole Power Line Common Mode EMI Chokes

Coilcraft's low-cost through-hole BU Series high efficiency choke coils are designed to eliminate line conducted common mode noise across a broad range of frequencies. The BU9S and BU9HS are ideal for signal line applications; the other BUs can be used in switching power supplies and power supply circuits. For low profile applications, the BU9 and BU9S filters are available in a horizontal configuration that reduces their height to under half an inch (12.5 mm).

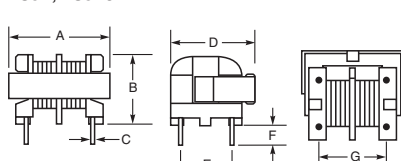
BU, BU9x

Part number	Common mode peak impedance (kOhms)	Inductance min (mH)		DCR (Ohms)	Isolation (Vrms)	I _{rms} (A)
		min	max			
BU9S-153R15BL	121.5 @ 4300 kHz	15.0	5.0	1000	0.15	
BU9S-7020R3BL	59.81 @ 3700 kHz	7.0	2.5	1000	0.30	
BU9HS-153R15BL	121.5 @ 4300 kHz	15.0	5.0	1000	0.15	
BU9HS-7020R3BL	59.81 @ 3700 kHz	7.0	2.5	1000	0.30	
BU9-103R25BL	123.5 @ 250 kHz	10.0	3.5	1000	0.25	
BU9-2820R5BL	25.12 @ 660 kHz	2.8	1.0	1000	0.50	
BU9-1320R7BL	17.48 @ 980 kHz	1.3	0.5	1000	0.70	
BU9-6011R0BL	5.43 @ 2100 kHz	0.6	0.2	1000	1.00	
BU9-2011R6BL	4.39 @ 2900 kHz	0.2	0.1	1000	1.60	
BU9H-103R25BL	123.5 @ 250 kHz	10.0	3.5	1000	0.25	
BU9H-2820R5BL	25.12 @ 660 kHz	2.8	1.0	1000	0.50	
BU9H-1320R7BL	17.48 @ 980 kHz	1.3	0.5	1000	0.70	
BU9H-6011R0BL	5.43 @ 2100 kHz	0.6	0.2	1000	1.00	
BU9H-2011R6BL	4.39 @ 2900 kHz	0.2	0.1	1000	1.60	

BU9, BU9S, BU10, BU15, BU16



BU9H, BU9HS



Dimensions (inches mm)

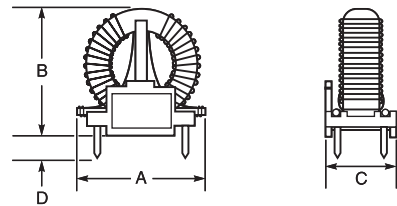
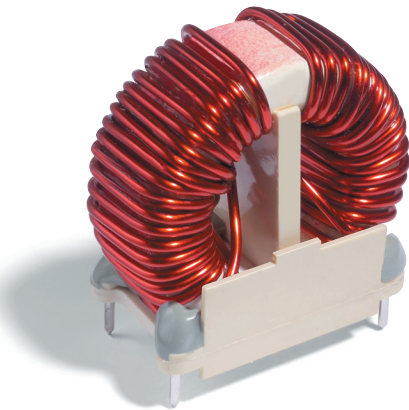
Series	A max	B max	C	D max	E	F	G
BU9, BU9S	0.69 17.5	0.67 17.0	0.024 0.6	0.43 11.0	0.276 ±0.02 7.0 ±0.5	0.157 ±0.04 4.0 ±1.0	0.31 ±0.02 8.0 ±0.5
BU9H, BU9HS	0.69 17.5	0.49 12.5	0.024 0.6	0.61 15.5	0.276 ±0.02 7.0 ±0.5	0.157 ±0.04 4.0 ±1.0	0.31 ±0.02 8.0 ±0.5
BU10	0.75 19.0	0.89 22.5	0.028 0.7	0.67 17.0	0.394 ±0.02 10.0 ±0.5	0.177 ±0.04 4.5 ±1.0	0.51 ±0.02 13.0 ±0.5
BU15	0.91 23.0	1.08 27.5	0.028 0.7	0.75 19.0	0.40 ±0.02 10.0 ±0.5	0.177 ±0.04 4.5 ±1.0	0.51 ±0.02 13.0 ±0.5
BU16	0.91 23.0	1.08 27.5	0.028 0.7	0.75 19.0	0.394 ±0.02 10.0 ±0.5	0.177 ±0.04 4.5 ±1.0	0.51 ±0.02 13.0 ±0.5

BUxx

Part number	Common mode peak impedance (kOhms)	Inductance min (mH)		DCR (Ohms)	Isolation (Vrms)	I _{rms} (A)
		min	max			
BU10-181R2BL	5.13 @ 1100 MHz	0.18	0.20	1000	1.20	
BU10-131R6BL	3.60 @ 1200 MHz	0.13	0.12	1000	1.60	
BU10-1012R2BL	1.88 @ 1500 MHz	0.10	0.08	1000	2.20	
BU10-6003R0BL	1.15 @ 2100 MHz	0.06	0.04	1000	3.00	
BU15-4530R4BL	398.7 @ 130 kHz	45.0	3.0	1000	0.40	
BU15-1430R7BL	70.62 @ 260 kHz	14.0	1.0	1000	0.70	
BU15-7521R0BL	43.05 @ 340 kHz	7.5	0.6	1000	1.00	
BU15-4421R3BL	41.14 @ 510 kHz	4.4	0.3	1000	1.30	
BU15-2721R6BL	32.22 @ 620 kHz	2.7	0.2	1000	1.60	
BU16-4530R5BL	269.6 @ 130 kHz	45.0	2.3	1000	0.50	
BU16-2530R7BL	208.3 @ 190 kHz	25.0	1.3	1000	0.70	
BU16-1031R0BL	57.14 @ 310 kHzx	10.0	0.5	1000	1.00	
BU16-4021R5BL	26.26 @ 470 kHz	4.0	0.3	1000	1.50	
BU16-2022R0BL	14.41 @ 740 kHz	2.0	0.2	1000	2.00	

CMT Common Mode EMI Chokes

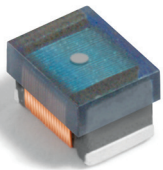
Coilcraft's CMT toroid style common mode chokes are designed to provide the highest common mode impedance over the widest frequency range. These parts are ideal for any application requiring a high DC current bias and are well suited for use in switch-mode power supplies. These common mode chokes are most effective in filtering supply and return conductors with in-phase signals of equal amplitude. Differential mode inductors are available for filtering out-of-phase or uneven amplitude signals.



Dimensions (inches mm)

Part number	Common mode peak impedance (kOhms)	Inductance min (mH)	DCR max (Ohms)	Leakage inductance max (μH)	Isolation (Vrms)	Irms (A)
CMT1-5.0-1L	36.28 @ 100 MHz	5.0	0.207	80	1250	1
CMT1-8.0-1L	27.98 @ 100 MHz	8.0	0.270	125	1250	1
CMT1-15.0-1L	35.27 @ 51 MHz	15	0.430	233	1250	1
CMT1-2.5-2L	50.80 @ 59 MHz	2.5	0.090	42	1250	2
CMT1-4.0-2L	17.53 @ 100 MHz	4.0	0.095	70	1250	2
CMT1-7.5-2L	2.29 @ 1.6 MHz	7.5	0.108	74	1250	2
CMT1-1.3-4L	31.76 @ 48 MHz	1.3	0.029	20	1250	4
CMT1-2.1-4L	13.05 @ 100 MHz	2.1	0.040	36	1250	4
CMT1-3.7-4L	47.42 @ 46 MHz	3.7	0.036	40	1250	4
CMT1-1.0-6L	12.64 @ 0.63 MHz	1.0	0.022	19	1250	6
CMT1-1.7-6L	43.05 @ 100 MHz	1.7	0.032	34	1250	6
CMT1-3.0-6L	160.40 @ 0.16 MHz	3.0	0.027	35	1250	6
CMT1-6-9L	22.06 @ 0.49 MHz	0.6	0.012	11	1250	9
CMT1-1.1-9L	28.44 @ 0.92 MHz	1.1	0.013	12	1250	9
CMT1-1.9-9L	9.53 @ 12 MHz	1.9	0.017	20	1250	9
CMT1-5-12L	9.53 @ 12 MHz	0.5	0.008	9.0	1250	12
CMT1-8-12L	8.27 @ 12 MHz	0.8	0.008	9.0	1250	12
CMT1-1.4-12L	46.14 @ 0.38 MHz	1.4	0.011	16	1250	12
CMT1-3-15L	35.27 @ 100 MHz	0.3	0.005	6.0	1250	15
CMT1-6-15L	17.74 @ 0.27 MHz	0.6	0.006	6.5	1250	15
CMT1-1.1-15L	81.12 @ 0.25 MHz	1.1	0.008	13.7	1250	15
CMT2-7.5-1L	4.25 @ 1.1 MHz	7.5	0.270	90	1250	1
CMT2-13-1L	26.46 @ 110 MHz	13	0.415	190	1250	1
CMT2-3.8-2L	2.15 @ 1.5 MHz	3.8	0.106	48	1250	2
CMT2-6.5-2L	33.27 @ 35 MHz	6.5	0.145	98	1250	2
CMT2-1.9-4L	2.98 @ 1.2 MHz	1.9	0.038	26	1250	4
CMT2-3.3-4L	27.29 @ 100 MHz	3.3	0.055	45	1250	4
CMT2-1.5-6L	35.92 @ 39 MHz	1.5	0.029	21	1250	6
CMT2-2.6-6L	16.92 @ 1.1 MHz	2.6	0.040	41	1250	6
CMT2-9-9L	161.50 @ 0.27 MHz	0.9	0.014	17	1250	9
CMT2-1.5-9L	27.13 @ 20 MHz	1.5	0.013	15	1250	9
CMT2-7-12L	29.70 @ 0.61 MHz	0.7	0.011	14	1250	12
CMT2-1.2-12L	32.73 @ 0.78 MHz	1.2	0.011	14	1250	12
CMT2-5-15L	56.35 @ 0.41 MHz	0.5	0.007	8.7	1250	15
CMT2-8-15L	110.44 @ 13 MHz	0.8	0.007	10	1250	15
CMT3-32-1L	215.01 @ 0.18 MHz	32	0.650	485	1250	1
CMT3-56-1L	149.83 @ 0.12 MHz	56	0.900	780	1250	1
CMT3-16-2L	215.13 @ 0.12 MHz	16	0.240	210	1250	2
CMT3-28-2L	22.33 @ 100 MHz	28	0.330	410	1250	2
CMT3-8-4L	29.82 @ 0.1 MHz	8.0	0.061	57.5	1250	4
CMT3-14-4L	28.53 @ 0.46 MHz	14	0.120	180	1250	4
CMT3-6-6L	41.91 @ 0.1 MHz	6.6	0.048	49	1250	6
CMT3-11.5-6L	13.83 @ 0.43 MHz	11.5	0.088	140	1250	6
CMT3-4-9L	14.47 @ 100 MHz	4.0	0.026	37	1250	9
CMT3-7-9L	26.76 @ 0.38 MHz	7.0	0.045	104	1250	9
CMT3-3-12L	25.59 @ 0.95 MHz	3.0	0.022	40	1250	12
CMT3-5.2-12L	20.13 @ 0.32 MHz	5.2	0.025	47	1250	12
CMT3-2.5-15L	79.68 @ 0.16 MHz	2.5	0.019	42	1250	15
CMT3-4.4-15L	19.83 @ 0.27 MHz	4.4	0.017	48	1250	15
CMT4-72-1L	19.27 @ 0.18 MHz	72	1.15	1400	1250	1
CMT4-125-1L	157.53 @ 0.18 MHz	125	1.15	1400	1250	1
CMT4-36-2L	30.29 @ 0.1 MHz	36	0.415	680	1250	2
CMT4-62-2L	26.48 @ 0.12 MHz	62	0.415	750	1250	2
CMT4-19-4L	186.61 @ 0.12 MHz	19	0.15	350	1250	4
CMT4-32-4L	39.44 @ 0.12 MHz	32	0.158	370	1250	4
CMT4-15-6L	247.34 @ 0.17 MHz	15	0.114	275	1250	6
CMT4-26-6L	91.87 @ 0.16 MHz	26	0.115	320	1250	6
CMT4-10-9L	28.15 @ 0.1 MHz	10	0.057	190	1250	9
CMT4-17-9L	433.33 @ 0.11 MHz	17	0.062	220	1250	9
CMT4-7.5-12L	56.92 @ 0.34 MHz	7.5	0.042	140	1250	12
CMT4-13-12L	25.54 @ 0.98 MHz	13	0.043	155	1250	12
CMT4-6-15L	80.52 @ 0.31 MHz	6.0	0.03	111	1250	15
CMT4-10-15L	66.10 @ 0.1 MHz	10	0.029	122	1250	15
CMT1-5.0-1L	1.210, 30.7	1.100, 27.9	0.625, 15.9	0.150, 3.81		
CMT1-8.0-1L	1.210, 30.7	1.100, 27.9	0.625, 15.9	0.150, 3.81		
CMT1-15.0-1L	1.300, 33.0	1.155, 29.4	0.625, 15.9	0.150, 3.81		
CMT1-2.5-2L	1.210, 30.7	1.100, 27.9	0.625, 15.9	0.150, 3.81		
CMT1-4.0-2L	1.210, 30.7	1.050, 26.7	0.625, 15.9	0.150, 3.81		
CMT1-7.5-2L	1.300, 33.0	1.155, 29.4	0.625, 15.9	0.150, 3.81		
CMT1-1.3-4L	1.210, 30.7	1.100, 27.9	0.625, 15.9	0.150, 3.81		
CMT1-2.1-4L	1.210, 30.7	1.100, 27.9	0.625, 15.9	0.150, 3.81		
CMT1-3.7-4L	1.300, 33.0	1.125, 28.6	0.625, 15.9	0.150, 3.81		
CMT1-1.0-6L	1.210, 30.7	1.100, 27.9	0.625, 15.9	0.150, 3.81		
CMT1-1.7-6L	1.300, 33.0	1.155, 29.4	0.625, 15.9	0.150, 3.81		
CMT1-3.0-6L	1.210, 30.7	1.200, 30.5	0.625, 15.9	0.150, 3.81		
CMT1-6-9L	1.210, 30.7	1.200, 30.5	0.625, 15.9	0.150, 3.81		
CMT1-1.1-9L	1.210, 30.7	1.300, 33.0	0.625, 15.9	0.150, 3.81		
CMT1-1.9-9L	1.400, 35.6	1.300, 33.0	0.625, 15.9	0.150, 3.81		
CMT1-5-12L	1.210, 30.7	1.200, 30.5	0.650, 16.5	0.150, 3.81		
CMT1-8-12L	1.210, 30.7	1.200, 30.5	0.650, 16.5	0.150, 3.81		
CMT1-1.4-12L	1.210, 30.7	1.300, 33.0	0.650, 16.5	0.150, 3.81		
CMT1-3-15L	1.210, 30.7	1.300, 33.0	0.625, 15.9	0.150, 3.81		
CMT1-6-15L	1.210, 30.7	1.250, 31.8	0.650, 16.5	0.150, 3.81		
CMT1-1.1-15L	1.210, 30.7	1.250, 31.8	0.700, 17.8	0.150, 3.81		
CMT2-7.5-1L	1.310, 33.3	1.100, 27.9	0.825, 21.0	0.150, 3.81		
CMT2-13-1L	1.310, 33.3	1.300, 33.0	0.825, 21.0	0.150, 3.81		
CMT2-3.8-2L	1.310, 33.3	1.100, 27.9	0.825, 21.0	0.150, 3.81		
CMT2-6.5-2L	1.310, 33.3	1.300, 33.0	0.825, 21.0	0.150, 3.81		
CMT2-1.9-4L	1.310, 33.3	1.100, 27.9	0.825, 21.0	0.150, 3.81		
CMT2-3.3-4L	1.310, 33.3	1.300, 33.0	0.825, 21.0	0.150, 3.81		
CMT2-1.5-6L	1.310, 33.3	1.100, 27.9	0.825, 21.0	0.150, 3.81		
CMT2-2.6-6L	1.400, 35.6	1.400, 35.6	0.900, 22.9	0.150, 3.81		
CMT2-9-9L	1.310, 33.3	1.200, 30.5	0.825, 21.0	0.150, 3.81		
CMT2-1.5-9L	1.250, 31.8	1.250, 31.8	0.825, 21.0	0.150, 3.81		
CMT2-7-12L	1.250, 31.8	1.200, 30.5	0.825, 21.0	0.150, 3.81		
CMT2-1.2-12L	1.250, 31.8	1.200, 30.5	0.825, 21.0	0.150, 3.81		
CMT2-5-15L	1.300, 33.0	1.300, 33.0	0.825, 21.0	0.150, 3.81		
CMT2-8-15L	1.250, 31.8	1.200, 30.5	0.825, 21.0	0.150, 3.81		
CMT3-32-1L	1.650, 41.9	1.400, 35.6	0.925, 23.5	0.150, 3.81		
CMT3-56-1L	1.650, 41.9	1.650, 41.9	0.925, 23.5	0.150, 3.81		
CMT3-16-2L	1.650, 41.9	1.400, 35.6	0.925, 23.5	0.150, 3.81		
CMT3-28-2L	1.650, 41.9	1.650, 41.9	0.925, 23.5	0.150, 3.81		
CMT3-8-4L	1.650, 41.9	1.350, 34.3	0.925, 23.5	0.150, 3.81		
CMT3-14-4L	1.650, 41.9	1.700, 43.2	0.950, 24.1	0.150, 3.81		
CMT3-6-6L	1.600, 40.6	1.400, 35.6	0.925, 23.5	0.150, 3.81		
CMT3-11.5-6L	1.650, 41.9	1.700, 43.2	0.925, 23.5	0.150, 3.81		
CMT3-4-9L	1.450, 36.8	1.400, 35.6	0.925, 23.5	0.150, 3.81		
CMT3-7-9L	1.760, 44.7	1.760, 44.7	0.975, 24.8	0.150, 3.81		
CMT3-3-12L	1.700, 43.2	1.700, 43.2	0.950, 24.1	0.150, 3.81		
CMT3-5.2-12L	1.700, 43.2	1.700, 43.2	1.000, 25.4	0.150, 3.81		
CMT3-2.5-15L	1.750, 44.5	1.750, 44.5	1.000, 25.4	0.150, 3.81		
CMT3-4.4-15L	1.700, 43.2	1.700, 43.2	1.000, 25.4	0.150, 3.81		
CMT4-72-1L	2.100, 53.3	2.100, 53.3	1.130, 28.7	0.150, 3.81		
CMT4-125-1L	2.150, 54.6	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-36-2L	2.150, 54.6	2.215, 56.3	1.130, 28.7	0.150, 3.81		
CMT4-62-2L	2.150, 54.6	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-19-4L	2.180, 55.4	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-32-4L	2.180, 55.4	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-15-6L	2.180, 55.4	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-26-6L	2.180, 55.4	2.225, 56.5	1.130, 28.7	0.150, 3.81		
CMT4-10-9L	2.180, 55.4	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-17-9L	2.250, 57.2	2.280, 57.9	1.150, 29.2	0.150, 3.81		
CMT4-7.5-12L	2.250, 57.2	2.200, 55.9	1.130, 28.7	0.150, 3.81		
CMT4-13-12L	2.300, 58.4	2.250, 57.2	1.130, 28.7	0.150, 3.81		
CMT4-6-15L	2.250, 57.2	2.250, 57.2	1.150, 29.2	0.150, 3.81		
CMT4-10-15L	2.300, 58.4	2.280, 57.9	1.130, 28.7	0.150, 3.81		

0805RB Series Ferrite Chip Inductors



Coilcraft 0805RB Series wirewound beads are an excellent choice to isolate AC noise from DC bias or DC power injection lines in baseband RF amplifier circuits. They provide superior performance compared to traditional thick-film ferrite beads, including optimized impedance over a wide frequency range. They also offer high Self Resonant Frequency, and their low DCR makes them an excellent choice for high current applications.

- Superior performance to traditional thick-film chip ferrite beads
- Optimized high impedance over a wide frequency range
- High SRF and low DCR combination for high-frequency and high-current applications without core saturation

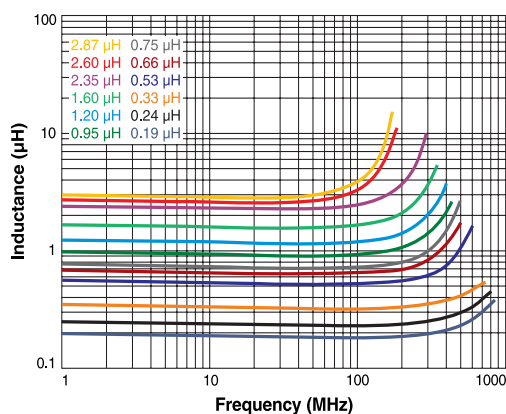


Figure 1: Coilcraft 0402DF Inductance vs Frequency

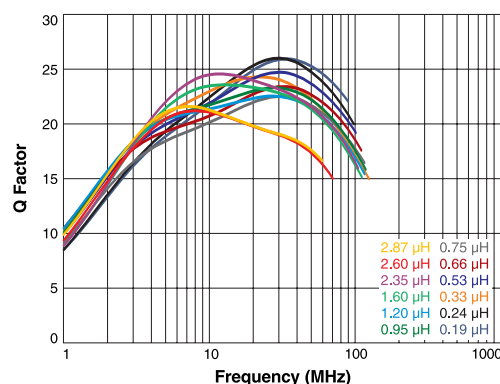


Figure 2: Coilcraft 0402DF Q vs Frequency

The Ultimate Kit for Antenna Matching

Why do so many users love our 0402DC Series Ceramic Chip Inductor Designer's Kit? To start, the 0402DC Series provides the industry's highest Q factors in its size to achieve super low loss in high frequency circuits.

The 0402DC is also offered in 112 inductance values from 0.8 to 120 nH – including 0.1 nH increments between 2.8 and 10 nH!

And, with 20 samples of every value, the C472-2 Kit is the perfect

resource when you're designing impedance matching circuits for antennas in both lowband (700 – 960 MHz) and highband (1710 – 2700 MHz) applications.

Other features of the 0402DC include:

- Wirewound construction for extremely high SRF – up to 16 GHz
- DCR as low as 25 mOhm, significantly lower than other 0402-sized chip inductors

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Power Kits

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1812PS.....	C343
DC1012.....	P410
DO1605T.....	C353
DO1606T.....	C338
DO1608C.....	C377
DO1813H.....	C331
DO3308P.....	C309
DO3314.....	C358
DO3316H.....	C326
DO3316P.....	C378
DO3316T.....	C396
DO3340P.....	C310
DO5010H.....	C355
DO5022P.....	C311
DS1608B.....	C334
EPL2010.....	C412
EPL2014.....	C413
EPL3010.....	C431
EPL3012.....	C437
EPL3015.....	C405
LPD/MSD.....	C463
LPD5030V/LPD8035V	C481
LPO2506 In-Board.....	C332
LPO2506 On-board.....	C333
LPO3010.....	C388
LPO3310.....	C375
LPO4812.....	C357
LPO4815.....	C376
LPO6013.....	C352
LPO6610.....	C367
LPS3030.....	C485
LPS30xx.....	C392
LPS3314.....	C330
LPS4040.....	C494
LPS40xx Low Inductance.....	C401
LPS4414.....	C340
LPS5010.....	C407
LPS5015.....	C350
LPS5030.....	C420
LPS6225.....	C349
LPS6235.....	C345
LPSxx High Inductance.....	C402
ME3215.....	C408
ME3220.....	C386
MLC12xx/MLC15xx	C387
MOS6020.....	C359
MSD1278.....	C400

MSS1038.....	C391
MSS1048.....	C409
MSS1210H.....	C498
MSS1246.....	C410
MSS1246H.....	C510
MSS1246T.....	C417
MSS1260.....	C360
MSS1260T.....	C418
MSS1278.....	C380
MSS1278T.....	C419
MSS1812T.....	C499
MSS4020.....	C381
MSS5121.....	C411
MSS5131.....	C362
MSS6122.....	C363
MSS6132.....	C364
MSS7341.....	C385
PCV-0/PCV-2.....	P405
PFL1005.....	C484
PFL1609/PFL2010	C433
PFL2510/PFL2512.....	C444
PFL4514/PFL4517	C451
SER1052.....	C421
SER1360.....	C365
SER1400.....	C427
SER1590.....	C366
SER2000.....	C374
SLC/SLR.....	C467
SLC7530.....	C379
XAL/XFL.....	C454
XAL1010/XAL1060	C435
XAL40xx.....	C429
XAL50xx.....	C445
XAL60xx.....	C442
XAL7020.....	C452
XAL7030.....	C441
XAL7070.....	C443
XEL35xx.....	C465
XEL40xx.....	C464
XEL50xx.....	C480
XEL60xx.....	C466
XFL2005.....	C479
XFL2006.....	C478
XFL3010/XFL3012	C440
XFL4012/XFL4015	C455
XFL4020.....	C436
XGL3512.....	C502
XGL3515.....	C503
XGL3520.....	C490
XGL3530.....	C489
XGL4015.....	C505
XGL4018.....	C508
XGL4020.....	C483
XGL4025.....	C506
XGL4030.....	C486

XGL4040.....	C507
XGL5020.....	C495
XGL5030.....	C492
XGL5050.....	C500
XGL6030.....	C496
XGL6060.....	C491
XPL2010.....	C428

RF Kits

Series	Tolerance	Kit No.
0201AF	10%	C471
"Slot Ten" 10mm.....	M100	
"Unicoil" 5 mm	M305	
"Unicoil" 7 and 10mm.....	M302	
016008C.....	5%	C488
0201DS	5%	C425
0201HL	5%	C475
026011C	5%	C473
026011F	5%	C474
0302CS	5%	C370
0402AF	5%	C397
0402CS	5%	C328
0402CS	2%	C328-2
0402CT	5%	C482
0402CT	5%	C482
0402CT	2%	C482-2
0402CT	2%	C482-2
0402DC	2%	C472-2
0402DF	5%	C462
0402HL	5%	C453
0402HP	5%	C403
0402HP	2%	C403-2
0402PA	5%	C373
0403HQ	5%	C371
0603AF	5%	C439
0603CS	5%	C324
0603CS	2%	C324-2
0603CT	5%	C423
0603CT	2%	C423-2
0603DC	5%	C487
0603DC	2%	C487-2
0603HC	5%	C339
0603HL	5%	C449
0603HP	5%	C406
0603HP	2%	C406-2
0603LS	5%	C347
0604HQ	5%	C351
0805AF	5%	C450
0805CS	5%	C303
0805CS	2%	C303-2
0805HP	5%	C477
0805HP	2%	C477-2
0805HQ	5%	C325

0805HT	5%	C321
0805LS	5%	C354
0806SQ/0807SQ/.....		
0908SQ	5%	C424
0806SQ/0807SQ/.....		
0908SQ	2%	C424-2
0906/1606		
Micro Spring™	5%	C308
0906/1606		
Micro Spring™	2%	C308-2
1008AF	5%	C414
1008CS	5%	C300
1008CS	2%	C300-2
1008HQ	5%	C323
1008HQ	2%	C323-2
1008HT	5%	C322
1008LS	5%	C336
1111SQ	5%	C457
1206CS	5%	C320
132, 148.....		M304
132SM		
Maxi Spring™	5%	C319
132SM		
Maxi Spring™	2%	C319-2
1508/2508 Low Profile		
Mini Spring™	5%	C394
1508/2508 Low Profile		
Mini Spring™	2%	C394-2
1512SP/2712SP	5%	C501
1512SP/2712SP	2%	C501-2
1515SQ/2222SQ/.....		
2929SQ	5%	C438
1515SQ/2222SQ		
2929SQ	2%	C438-2
1812CS	5%	C337
1812LS	5%	C314
1812SMS		
Midi Spring®	5%	C318
1812SMS		
Midi Spring®	2%	C318-2
4308RV		C383
5315TC.....		C369
AOxT/BxxT		
Mini Spring™	5%	C302
AOxT/BxxT		
Mini Spring™	2%	C302-2
GA309x	5%	C459
HA403x	5%	C458

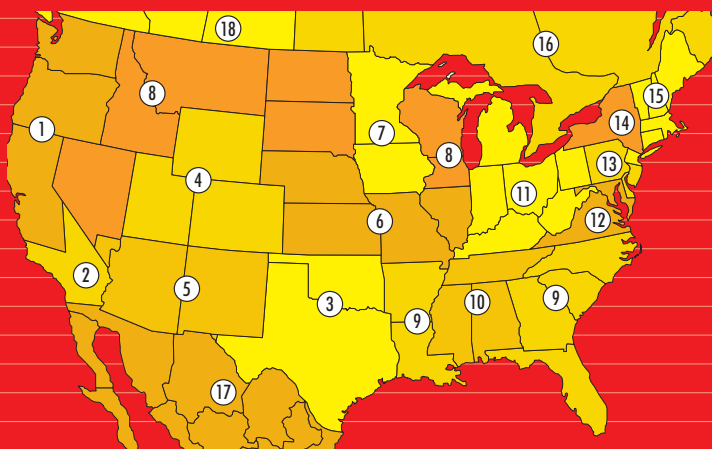
EMI Kits

Series	Description	Kit No.
0201AF	Ferrite Beads10%	C471
026011F	Ferrite Beads5%	C474
0402AF	Ferrite Beads5%	C397

0402DF		
Ferrite Beads	5%	C462
0603AF		
Ferrite Beads	5%	C439
0603LS		
Ferrite Beads	5%	C347
0603USB/0805USBx/.....		
1206USB USB 3.x/2.0		
Common Mode Chokes		C470
0805AF		
Ferrite Beads	5%	C450
0805LS		
Ferrite Beads	5%	C354
1008AF		
Ferrite Beads	5%	C414
1008LS		
Ferrite Beads	5%	C336
1812LS		
Ferrite Beads	5%	C314
CCDLF/CDF/PDLF/DLF		
Data Line		
Common Mode Filters.....		D303
E349x/F55xx/G6252P32xx		
Power Line		
Common Mode Chokes		P402

Transformer Kits

Series	Description	Kit No.
CST		
Current Sensors, SMT		C389
D18xx/CS1x/CS4x/CS60		P403
PL140		
Planar Transformers		C390
PL160/PL300		
Planar Transformers		C460
Planar Transformer Prototyping Kit		
Design full/half bridge (140 W),		
push/pull converter (100 W),		
forward converter (50 W),		
flyback (25 W)		C356
POE13F/POE60F PoE		
Transformers		C372
POE13P/POE30P/POE70P		
PoE EP Transformers		C395
POE300F		
Transformers		C398
POE60C/POD603D		
Miniature PoE Transformers... ..		C382
PWB/Wideband		
RF Transformers		C404
SD250Base/Gate Driver		
Transformers		P404
WBC/Wideband		
RF Transformers		C393



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