

Bourns® Surface Mount Power Inductors and Common Mode Chokes

Product Selection Guide - 2010



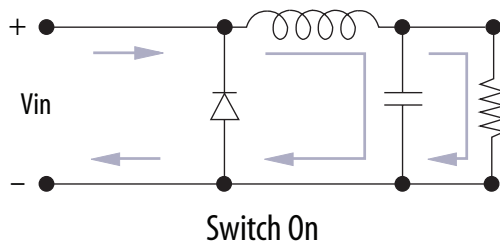
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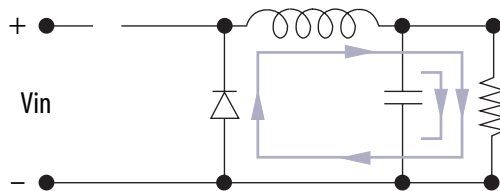
Inductors - Typical Applications

Energy Storage

An inductor stores energy in the form of magnetic flux.



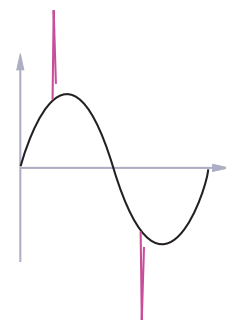
Current through an inductor is transformed to produce magnetic fields. Inductor is charged when the circuit is on.



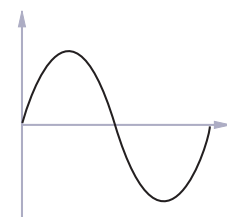
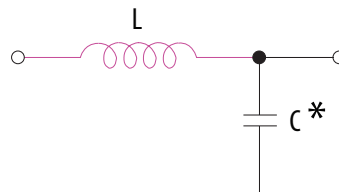
When off, the inductor acts as a current source, discharging current which flows through the circuit as the magnetic fluxes collapse.

Noise Filters

An inductor presents a series of impedances ($Z=j\omega L+R$) to suppress electromagnetic interference (EMI). The reactance $j\omega L$ resists the flow of noise signal while the equivalent loss resistance R of core material absorbs the undesired signal.



Signal laden with noise

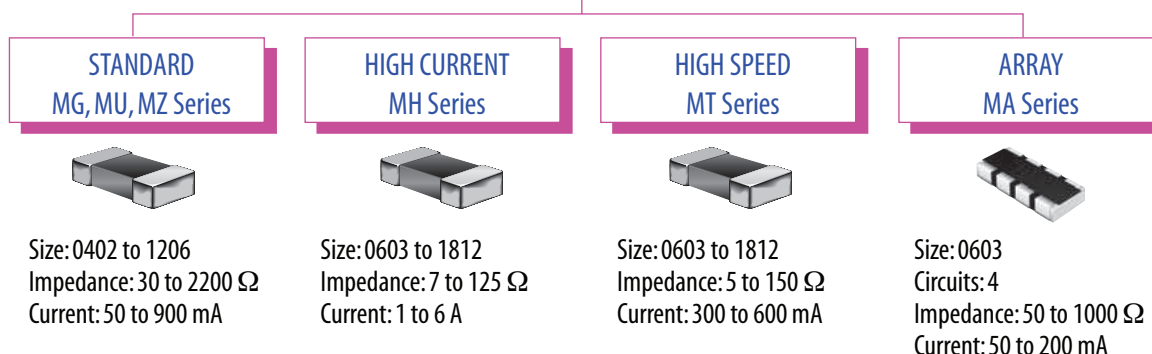


Clean signal

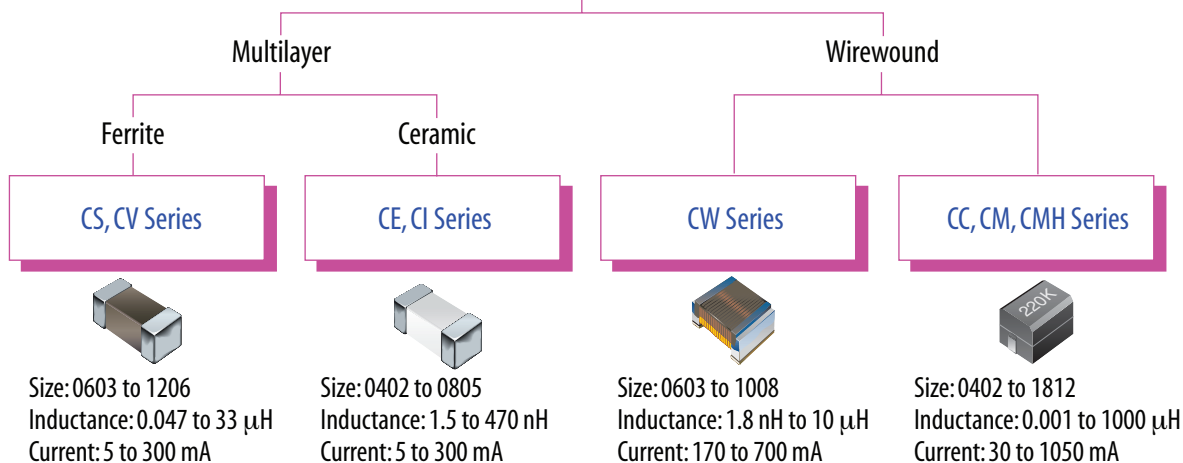
*Filtering performance advances with addition of capacitor

Overview - Chip Beads, Chip Inductors & Through-Hole Inductors

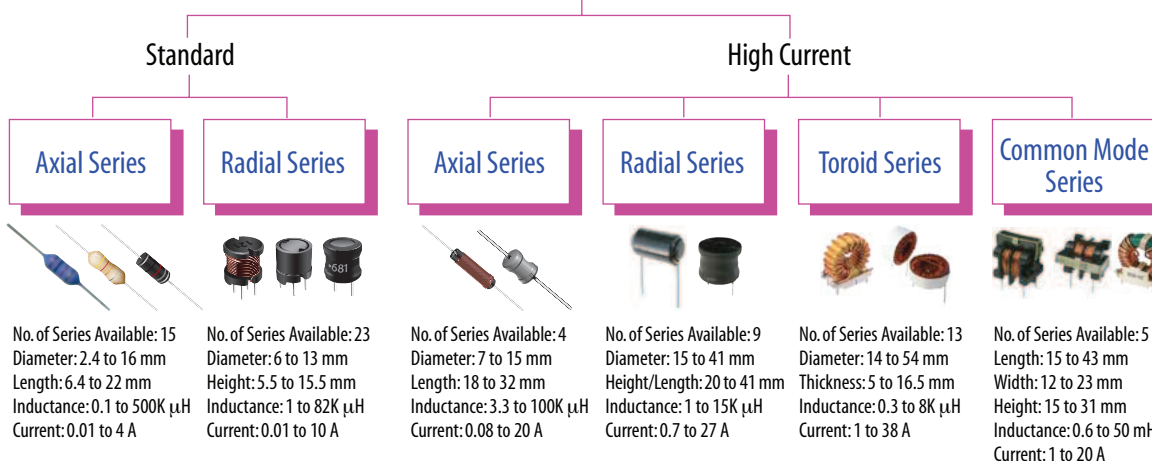
Chip Beads



Chip Inductors



Through-Hole Inductors



Bourns® Power Inductors - SDR, PM Series

• RoHS Compliant* • Non-Shielded • SMD

										
Model	SDR0302	SDR0403	SDR0503	SDR0603	SDR0604	SDR0805	SDR1006	PM104	SDR1307	Model
JW Miller Equivalent	PM32	PM43			PM54	PM75	PM105			JW Miller Equivalent
Shape	round	round	round	round	round	round	round	round	round	Shape
Size (mm)	3.0 x 2.5	4.5 x 3.2	5.0 x 3.0	5.8 x 3.9	5.8 x 4.8	7.8 x 5.3	9.8 x 5.8	10.0 x 4.0	13 x 7.0	Size (mm)
Irms / DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms / DCR
0.56 μH										0.56 μH
0.8 μH										0.8 μH
1 μH	2.10 / 60.0	3.80 / 33.0								1 μH
1.2 μH	2.00 / 70.0				4.20 / 20.0					1.2 μH
1.4 μH		3.30 / 38.0								1.4 μH
1.5 μH	1.90 / 75.0			3.00 / 40.0	3.60 / 30.0	6.00 / 20.0	6.40 / 18.0		9.50 / 5.0	1.5 μH
1.8 μH	1.80 / 80.0	2.91 / 42.0								1.8 μH
2.2 μH	1.65 / 90.0	2.60 / 47.0			2.80 / 60.0		5.40 / 21.0		9.00 / 6.0	2.2 μH
2.5 μH				2.35 / 50.0		5.00 / 22.0				2.5 μH
2.7 μH	1.50 / 100	2.43 / 52.0			2.30 / 65.0				8.20 / 8.0	2.7 μH
3.3 μH	1.40 / 110	2.15 / 58.0		2.20 / 50.0	2.00 / 70.0	4.50 / 25.0	5.00 / 24.0		7.50 / 8.7	3.3 μH
3.9 μH	1.30 / 120	1.98 / 76.0		2.10 / 55.0	1.90 / 75.0	4.40 / 28.0	4.60 / 27.0			3.9 μH
4.7 μH	1.20 / 150	1.70 / 94.0		1.80 / 70.0	1.80 / 80.0	3.70 / 30.0	4.00 / 36.0		7.00 / 10.0	4.7 μH
5.0 μH				1.60 / 75.0						5.0 μH
5.6 μH	1.10 / 160	1.60 / 101			1.70 / 85.0	3.50 / 35.0	3.80 / 40.0		6.50 / 15.0	5.6 μH
6.8 μH	1.00 / 180	1.41 / 117		1.38 / 110	1.60 / 90.0	3.20 / 40.0	3.40 / 44.0		6.00 / 17.0	6.8 μH
7.5 μH				1.29 / 120	1.50 / 95.0	2.80 / 50.0				7.5 μH
8.2 μH	0.90 / 200	1.26 / 132					3.00 / 48.0		5.80 / 19.0	8.2 μH
10 μH	0.80 / 250	1.15 / 182	1.30 / 130	1.14 / 150	1.45 / 100	2.30 / 70.0	2.60 / 60.0	2.38 / 53.0	5.60 / 21.0	10 μH
12 μH	0.75 / 280	1.05 / 210	1.20 / 160	1.02 / 160	1.40 / 120	2.00 / 80.0	2.45 / 70.0	2.13 / 61.0	4.80 / 30.0	12 μH
15 μH	0.65 / 400	0.92 / 235	1.05 / 190	0.93 / 180	1.30 / 140	1.80 / 90.0	2.25 / 80.0	1.87 / 70.0	4.50 / 34.0	15 μH
18 μH	0.58 / 460	0.84 / 338	0.95 / 210	0.82 / 250	1.25 / 150	1.60 / 100	2.15 / 90.0	1.73 / 81.0	4.20 / 36.0	18 μH
22 μH	0.52 / 600	0.76 / 378	0.90 / 280	0.75 / 280	1.10 / 190	1.50 / 110	1.95 / 100	1.60 / 88.0	3.60 / 47.0	22 μH
27 μH	0.48 / 750	0.71 / 522	0.80 / 320	0.67 / 300	1.00 / 220	1.30 / 120	1.75 / 110	1.44 / 100	3.30 / 60.0	27 μH
33 μH	0.42 / 850	0.64 / 540	0.70 / 380	0.61 / 450	0.88 / 250	1.20 / 140	1.50 / 120	1.26 / 120	3.10 / 65.0	33 μH
39 μH	0.38 / 1120	0.59 / 587	0.65 / 420	0.56 / 460	0.80 / 320	1.10 / 160	1.35 / 140	1.20 / 151	2.90 / 75.0	39 μH
47 μH	0.36 / 1270	0.54 / 844	0.60 / 600	0.52 / 550	0.72 / 370	1.00 / 200	1.25 / 170	1.10 / 170	2.70 / 82.0	47 μH
56 μH	0.34 / 1450	0.50 / 937	0.50 / 710	0.48 / 660	0.68 / 420	0.94 / 240	1.15 / 190	1.01 / 199	2.50 / 95.0	56 μH
68 μH	0.30 / 1850	0.46 / 1117	0.45 / 760	0.44 / 720	0.62 / 520	0.85 / 300	1.10 / 220	0.91 / 223	2.30 / 120	68 μH
82 μH	0.28 / 2100	0.42 / 1270	0.42 / 880	0.40 / 840	0.58 / 600	0.78 / 370	1.00 / 250	0.85 / 252	2.10 / 140	82 μH
100 μH	0.26 / 2850	0.35 / 1900	0.40 / 1600	0.38 / 950	0.52 / 700	0.72 / 450	0.97 / 350	0.74 / 344	1.90 / 180	100 μH
120 μH	0.22 / 3200	0.32 / 2200	0.37 / 1700	0.36 / 100	0.48 / 930	0.66 / 480	0.89 / 400	0.69 / 396	1.80 / 210	120 μH
150 μH	0.20 / 4600	0.26 / 3400	0.33 / 2000	0.32 / 1430	0.40 / 1100	0.58 / 680	0.78 / 470	0.61 / 544	1.60 / 250	150 μH
180 μH	0.18 / 5000	0.24 / 3900	0.30 / 2300	0.30 / 1600	0.38 / 1380	0.51 / 770	0.72 / 630	0.56 / 621	1.50 / 280	180 μH
220 μH	0.17 8 5700	0.22 / 4400	0.25 / 2500	0.26 / 2000	0.35 / 1570	0.49 / 960	0.66 / 730	0.53 / 721	1.30 / 360	220 μH
270 μH	0.15 / 8600	0.20 / 5000	0.23 / 2900	0.24 / 2400	0.32 / 1880	0.42 / 1110	0.57 / 970	0.45 / 949	1.20 / 440	270 μH
330 μH	0.13/10000	0.17 / 6000	0.21 / 3300	0.20 / 3200	0.27 / 2250	0.40 / 1260	0.52 / 1150	0.42 / 1100	1.10 / 520	330 μH
390 μH	0.12/10800	0.15 / 6400	0.19 / 3700	0.18 / 3400	0.25 / 2480	0.36 / 11770	0.48 / 1300	0.38 / 1245	1.00 / 600	390 μH
470 μH	0.11/14300	0.13 / 7000	0.18 / 4700	0.15 / 4550	0.21 / 3300	0.34 / 1960	0.42 / 1480	0.35 / 1526	0.90 / 720	470 μH
560 μH	0.10/16000	0.12 / 7800	0.16 / 5700		0.18 / 4000	0.30 / 2500	0.33 / 1900	0.32 / 1904	0.85 / 880	560 μH
680 μH	0.09/18000	0.11 / 8600	0.14 / 7500		0.16 / 4650	0.28 / 2800	0.28 / 2250		0.80 / 1000	680 μH
820 μH	0.08/22500	0.10/12000	0.12/10000		0.14 / 5200	0.23 / 4000	0.24 / 2550		0.75 / 1300	820 μH
1000 μH	0.07/26000	0.09/14000	0.11/11500		0.12 / 6800	0.21 / 4500	0.23 / 3100		0.65 / 1600	1000 μH
1200 μH	0.06/30000		0.063/12000			0.17 / 6800	0.21 / 4200			1200 μH
1500 μH			0.059/13000			0.15 / 8000	0.19 / 5000			1500 μH
1800 μH			0.055/15000			0.14 / 9200	0.17 / 6800			1800 μH
2200 μH			0.053/22000			0.13/10000	0.16 / 7600			2200 μH
2700 μH			0.050/26000			0.12/11800	0.14/11600			2700 μH
3300 μH			0.045/38000			0.10/16500	0.12/13500			3300 μH
3900 μH			0.042/40000			0.09/18000	0.11/14800			3900 μH
4700 μH			0.040/48000			0.08/21000	0.10/18000			4700 μH
5000 μH										5000 μH
5600 μH			0.038/72000							5600 μH
6800 μH			0.034/80000							6800 μH
8200 μH			0.030/92000							8200 μH
10000 μH			0.027/110000							10000 μH
12000 μH			0.025/148000							12000 μH
15000 μH			0.020/168000							15000 μH
Inductance (μH)										

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

Bourns® Power Inductors - SDR Series

• RoHS Compliant* • Non-Shielded • SMD

									
Model	SDR0602	SDR7030	SDR7045	SDR0906	SDR1030	SDR1045	SDR1105	SDR1305	Model
Shape	rectangular	square	square	square	square	square	square	square	Shape
Size (mm)	5.8 x 5.0 x 2.2	7.0 x 3.0	7.0 x 4.5	12.5 x 6.3	10.0 x 3.0	10.0 x 4.5	11 x 4.8	12.7 x 4.8	Size (mm)
I _{rms} / DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	I _{rms} / DCR
0.56 μH									0.56 μH
0.8 μH									0.8 μH
1 μH		3.00 / 22.0							1 μH
1.2 μH			3.80 / 22.0						1.2 μH
1.4 μH									1.4 μH
1.5 μH		2.75 / 27.0	3.50 / 27.0						1.5 μH
1.8 μH									1.8 μH
2.2 μH		2.60 / 30.0	3.30 / 32.0	4.00 / 30.0					2.2 μH
2.5 μH									2.5 μH
2.7 μH	1.50 / 120			3.50 / 40.0	3.00 / 28.0	4.80 / 26.0		7.20 / 9.8	2.7 μH
3.3 μH		2.20 / 38.0	2.80 / 36.0					6.0 / 10.5	3.3 μH
3.9 μH	1.40 / 130			3.30 / 45.0					3.9 μH
4.7 μH	1.30 / 150	1.85 / 48.0	2.60 / 42.0	3.00 / 50.0	2.60 / 40.0	4.20 / 33.0		5.20 / 16.5	4.7 μH
5.0 μH									5.0 μH
5.6 μH	1.20 / 170			2.80 / 60.0					5.6 μH
6.8 μH	1.15 / 180	1.65 / 58.0	2.25 / 54.0	2.60 / 65.0	2.20 / 52.0	3.50 / 40.0		4.30 / 24.0	6.8 μH
7.5 μH									7.5 μH
8.2 μH	1.10 / 200			2.40 / 70.0					8.2 μH
10 μH	1.00 / 240	1.50 / 75.0	2.00 / 70.0	2.10 / 90.0	2.00 / 64.0	3.20 / 50.0	4.00 / 45.0	3.60 / 37.0	10 μH
12 μH	0.90 / 260			2.00 / 100			3.80 / 48.0		12 μH
15 μH	0.80 / 280	1.20 / 115	1.60 / 86.0	1.90 / 110	1.65 / 100	2.50 / 68.0	3.50 / 52.0	3.30 / 46.0	15 μH
18 μH	0.75 / 300			1.80 / 120			3.30 / 70.0		18 μH
22 μH	0.70 / 400	1.00 / 160	1.40 / 125	1.60 / 130	1.38 / 145	2.20 / 88.0	3.00 / 80.0	2.90 / 62.0	22 μH
27 μH	0.65 / 450			1.40 / 150			2.80 / 90.0		27 μH
33 μH	0.60 / 500	0.85 / 230	1.22 / 150	1.25 / 180	1.10 / 220	1.90 / 110	2.60 / 100	2.50 / 85.0	33 μH
39 μH	0.55 / 650			1.15 / 190			2.40 / 140		39 μH
47 μH	0.50 / 680	0.70 / 340	1.00 / 230	1.10 / 230	0.96 / 270	1.60 / 165	2.20 / 170	1.90 / 130	47 μH
56 μH	0.45 / 780			1.05 / 260			2.00 / 200		56 μH
68 μH	0.40 / 850	0.58 / 480	0.90 / 280	1.00 / 310	0.82 / 360	1.30 / 225	1.80 / 210	1.65 / 165	68 μH
82 μH	0.35 / 1300			0.95 / 330			1.60 / 300		82 μH
100 μH	0.32 / 1520	0.46 / 720	0.75 / 430	0.90 / 390	0.70 / 540	1.10 / 300	1.50 / 320	1.40 / 255	100 μH
120 μH	0.30 / 1650			0.85 / 430					120 μH
150 μH	0.26 / 2000	0.40 / 920	0.62 / 580	0.75 / 560	0.60 / 700	0.85 / 500	1.20 / 500	1.20 / 380	150 μH
180 μH	0.23 / 2300			0.70 / 640					180 μH
220 μH	0.20 / 2500	0.32 / 1600	0.50 / 930	0.60 / 850	0.46 / 1150	0.72 / 680	1.00 / 650	1.00 / 500	220 μH
270 μH	0.18 / 2850			0.55 / 1000					270 μH
330 μH	0.16 / 3800	0.26 / 2200	0.42 / 1240	0.50 / 1270	0.38 / 1700	0.62 / 950		0.85 / 700	330 μH
390 μH	0.15 / 4200			0.45 / 1400					390 μH
470 μH	0.14 / 5000	0.22 / 2800	0.34 / 1850	0.40 / 1630	0.28 / 2250	0.52 / 1280		0.67 / 1150	470 μH
560 μH	0.12 / 6200			0.32 / 2100					560 μH
680 μH		0.18 / 4350	0.30 / 2400	0.28 / 2400	0.23 / 3300	0.43 / 1920		0.60 / 1400	680 μH
820 μH				0.24 / 2750					820 μH
1000 μH		0.15 / 6200	0.22 / 4000	0.22 / 3500	0.20 / 4700	0.38 / 2700		0.46 / 2350	1000 μH
1200 μH				0.20 / 4000					1200 μH
1500 μH				0.18 / 5000					1500 μH
1800 μH				0.17 / 5800					1800 μH
2200 μH				0.14 / 9000					2200 μH
2700 μH				0.13 / 9000					2700 μH
3300 μH				0.12 / 10000					3300 μH
3900 μH				0.10 / 13500					3900 μH
4700 μH				0.09 / 15000					4700 μH
5000 μH									5000 μH
5600 μH				0.07 / 20000					5600 μH
6800 μH				0.06 / 23000					6800 μH
8200 μH				0.05 / 28000					8200 μH
10000 μH				0.04 / 33000					10000 μH
12000 μH									12000 μH
15000 μH									15000 μH

Inductance (μH)

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

Bourns® Power Inductors - SDR, PM Series

• RoHS Compliant* • Non-Shielded • SMD

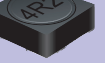
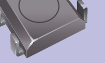
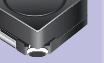
								
Model	SDR0703	SDR6603	SDR1005	PM3308	PM3340	SDR1806	SDR2207	Model
JW Miller Equivalent		PM1608	PM3316			PM5022	PM5022H	JW Miller Equivalent
Shape	rectangular	oval	oval	oval	oval	oval	oval	Shape
Size (mm)	6.5 x 4.5 x 2.7	6.6 x 4.45 x 2.9	12.7 x 10 x 5	13.0 x 9.5 x 3	13.0 x 10.2 x 11.5	18.3 x 14 x 6.6	22 x 15 x 7	Size (mm)
I _{rms} / DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	I _{rms} / DCR
0.56 μH								0.56 μH
0.8 μH							16.0 / 2.8	0.8 μH
1 μH	2.20 / 42.0	2.90 / 50.0	7.50 / 7.0			10.00 / 4.0		1 μH
1.2 μH	2.00 / 47.0						15.0 / 3.8	1.2 μH
1.4 μH								1.4 μH
1.5 μH		2.80 / 50.0	6.50 / 9.0					1.5 μH
1.8 μH	1.90 / 52.0						13.0 / 4.5	1.8 μH
2.2 μH	1.80 / 60.0	2.40 / 70.0				9.00 / 6.8		2.2 μH
2.5 μH			5.50 / 12.0					2.5 μH
2.7 μH	1.70 / 65.0						10.0 / 7.0	2.7 μH
3.3 μH	1.65 / 75.0	2.00 / 80.0	5.00 / 15.0			7.60 / 9.8	9.00 / 7.8	3.3 μH
3.9 μH	1.58 / 80.0							3.9 μH
4.7 μH	1.50 / 100	1.50 / 90.0	4.50 / 19.0				8.50 / 8.8	4.7 μH
5.0 μH								5.0 μH
5.6 μH	1.40 / 105					6.40 / 15.0	7.80 / 13.4	5.6 μH
6.8 μH	1.30 / 115	1.40 / 130	3.40 / 30.0				7.50 / 14.2	6.8 μH
7.5 μH								7.5 μH
8.2 μH	1.10 / 150						7.00 / 15.5	8.2 μH
10 μH	1.00 / 170	1.10 / 160	2.90 / 50.0	2.00 / 110	3.50 / 33.0	5.30 / 25.0	6.50 / 17.2	10 μH
12 μH	0.90 / 180						5.50 / 23.6	12 μH
15 μH	0.75 / 240	1.00 / 230	2.50 / 60.0	1.50 / 150	3.00 / 42.0	4.30 / 35.0	5.00 / 28.8	15 μH
18 μH	0.70 / 280						4.60 / 33.0	18 μH
22 μH	0.65 / 300	0.80 / 370	2.00 / 100	1.30 / 230	2.50 / 54.0	3.60 / 45.0	4.00 / 39.4	22 μH
27 μH	0.60 / 400						3.80 / 43.5	27 μH
33 μH	0.56 / 450	0.60 / 510	1.80 / 120	1.10 / 300	2.00 / 80.0	3.00 / 68.0	3.40 / 58.4	33 μH
39 μH	0.50 / 550						3.20 / 65.0	39 μH
47 μH	0.40 / 720	0.50 / 640	1.40 / 190	0.80 / 390	1.60 / 100	2.50 / 95.0	2.80 / 91.2	47 μH
56 μH	0.39 / 800						2.60 / 96.5	56 μH
68 μH	0.38 / 900	0.40 / 860	1.20 / 240	0.70 / 700	1.20 / 170	2.10 / 130	2.40 / 112	68 μH
82 μH	0.33 / 1118						2.30 / 144	82 μH
100 μH	0.27 / 1560	0.30 / 1300	1.00 / 330	0.60 / 800	1.20 / 220	1.70 / 190	2.20 / 168	100 μH
120 μH	0.26 / 1750						1.60 / 230	120 μH
150 μH	0.25 / 2000	0.25 / 2000	0.80 / 590	0.50 / 1200	0.90 / 340	1.40 / 270	1.50 / 250	150 μH
180 μH	0.19 / 2700						1.30 / 300	180 μH
220 μH	0.18 / 3000	0.20 / 3200	0.70 / 780	0.40 / 1900	0.70 / 440	1.10 / 420	1.20 / 380	220 μH
270 μH	0.17 / 3600						1.10 / 470	270 μH
330 μH	0.16 / 4800	0.16 / 3800	0.55 / 1550	0.30 / 2700	0.60 / 700	1.00 / 580	1.00 / 560	330 μH
390 μH	0.14 / 6200						0.90 / 680	390 μH
470 μH	0.13 / 7000	0.15 / 5100	0.45 / 1700	0.20 / 4000	0.30 / 950	0.80 / 820	0.80 / 850	470 μH
560 μH	0.11 / 9200						0.75 / 1000	560 μH
680 μH	0.10/10500	0.12 / 9200	0.35 / 2600	0.10 / 5300	0.20 / 1200	0.70 / 1200	0.70 / 1100	680 μH
820 μH	0.09/12000						0.60 / 1400	820 μH
1000 μH	0.08/14200	0.07 / 13800	0.30 / 3900	0.05 / 8400	0.10 / 2000	0.50 / 1800	0.55 / 1800	1000 μH
1200 μH								1200 μH
1500 μH			0.25 / 6300					1500 μH
1800 μH								1800 μH
2200 μH			0.20 / 8200					2200 μH
2700 μH								2700 μH
3300 μH			0.16/1400					3300 μH
3900 μH								3900 μH
4700 μH			0.15/17000					4700 μH
5000 μH								5000 μH
5600 μH								5600 μH
6800 μH			0.11/30000					6800 μH
8200 μH			0.11/34000					8200 μH
10000 μH			0.10/39000					10000 μH
12000 μH								12000 μH
15000 μH								15000 μH

Inductance (μH)

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

Bourns® Power Inductors - SRR, PM Series

• RoHS Compliant* • Shielded • SMD

									
Model	SRR3011	SRR4011	SRR4018	SRR4028	SRR5018	SRR5028	SRR0618	SRR0603	Model
JW Miller Equivalent			PM42S	PM428S	PM518S	PM528S			JW Miller Equivalent
Shape	square	square	square	square	square	square	square	square	Shape
Size (mm)	3.8 x 1.16	4.8 x 1.15	4.8 x 1.8	4.8 x 2.8	5.8 x 1.8	5.8 x 2.8	6.3 x 1.5	6.5 x 3.3	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
0.47 μH		3.20 / 30.0							0.47 μH
0.8 μH									0.8 μH
1 μH			2.70 / 35.0						1 μH
1.2 μH		2.50 / 48.0		3.10 / 20.0	3.00 / 30.0				1.2 μH
1.4 μH									1.4 μH
1.5 μH	1.30 / 55.0	2.10 / 56.0						2.20 / 32.0	1.5 μH
1.8 μH			2.35 / 58.0	2.70 / 25.0	2.60 / 35.0				1.8 μH
2.2 μH		1.80 / 75.0		2.50 / 28.0	0.76 / 180		1.70 / 50.0	2.00 / 40.0	2.2 μH
2.5 μH	1.00 / 85.0				2.40 / 40.0	2.70 / 30.0			2.5 μH
2.7 μH			2.03 / 60.0	2.35 / 30.0					2.7 μH
3.0 μH					2.20 / 45.0	2.50 / 30.0			3.0 μH
3.3 μH	0.85 / 90.0	1.40 / 110	1.95 / 65.0	2.15 / 35.0	0.69 / 220		1.40 / 70.0	1.80 / 55.0	3.3 μH
3.5 μH									3.5 μH
3.9 μH			1.82 / 75.0	1.72 / 60.0	2.00 / 55.0				3.9 μH
4.5 μH						2.20 / 35.0			4.5 μH
4.7 μH	0.75 / 125	1.20 / 165	1.72 / 82.0	1.55 / 70.0	0.61 / 280		1.05 / 100	1.60 / 70.0	4.7 μH
5.0 μH					1.65 / 60.0				5.0 μH
5.6 μH			1.65 / 90.0	1.38 / 85.0		1.90 / 40.0			5.6 μH
6.5 μH		1.00 / 195			1.45 / 80.0	1.80 / 45.0			6.5 μH
6.8 μH	0.62 / 210		1.50 / 100	1.30 / 90.0	0.52 / 380		0.95 / 150	1.20 / 100	6.8 μH
7.0 μH									7.0 μH
7.5 μH					1.35 / 90.0				7.5 μH
8.2 μH		0.92 / 215	1.40 / 135	1.25 / 100	1.25 / 110	1.60 / 55.0			8.2 μH
10 μH	0.50 / 280	0.83 / 240	1.30 / 150	1.19 / 100	1.10 / 130	1.40 / 70.0	0.82 / 220	1.10 / 120	10 μH
12 μH			1.15 / 170	1.12 / 125	1.00 / 160	1.25 / 80.0			12 μH
15 μH	0.38 / 420	0.70 / 400	1.03 / 220	1.03 / 150	0.95 / 190	1.15 / 100	0.60 / 310	0.90 / 180	15 μH
18 μH			0.92 / 280	0.98 / 160	0.90 / 210	1.10 / 110			18 μH
22 μH	0.32 / 680	0.57 / 580	0.88 / 300	0.93 / 185	0.80 / 280	1.00 / 120	0.47 / 460	0.70 / 270	22 μH
27 μH			0.77 / 370	0.89 / 200	0.75 / 320	0.90 / 160			27 μH
33 μH	0.27 / 860	0.47 / 860	0.7 / 420	0.82 / 230	0.65 / 350	0.78 / 190	0.43 / 680	0.60 / 430	33 μH
39 μH			0.64 / 540	0.80 / 250	0.55 / 500	0.72 / 210			39 μH
47 μH	0.23 / 1800	0.40 / 1250	0.62 / 600	0.75 / 280	0.52 / 550	0.65 / 250	0.36 / 1100	0.50 / 550	47 μH
56 μH			0.52 / 820	0.70 / 320	0.448 / 600	0.60 / 300			56 μH
68 μH	0.18 / 2250	0.32 / 1800	0.50 / 860	0.63 / 400	0.40 / 850	0.56 / 350	0.30 / 1500	0.40 / 900	68 μH
82 μH		0.30 / 2200	0.43 / 1200	0.56 / 520	0.38 / 950	0.50 / 430			82 μH
100 μH	0.15 / 3600	0.27 / 2400	0.40 / 1350	0.51 / 600	0.35 / 1100	0.45 / 480	0.23 / 2300	0.30 / 1500	100 μH
120 μH			0.33 / 1950	0.48 / 700	0.30 / 1420				120 μH
150 μH		0.22 / 3800	0.28 / 2600	0.42 / 860	0.28 / 1650	0.35 / 900		0.25 / 1900	150 μH
180 μH			0.18 / 4000	0.39 / 1000	0.25 / 2300				180 μH
220 μH				0.34 / 1250	0.23 / 2500	0.30 / 1250		0.20 / 2700	220 μH
270 μH				0.32 / 1500					270 μH
330 μH				0.30 / 1700		0.20 / 2000		0.18 / 4200	330 μH
390 μH				0.26 / 2200					390 μH
470 μH				0.24 / 2600		0.30 / 2500		0.15 / 6700	470 μH
560 μH				0.22 / 3000		0.14 / 3920			560 μH
680 μH						0.14 / 4300		0.12 / 9500	680 μH
820 μH									820 μH
1000 μH								0.10 / 14000	1000 μH
1200 μH									1200 μH
1500 μH									1500 μH
1800 μH									1800 μH
2200 μH									2200 μH
2700 μH									2700 μH
3300 μH									3300 μH
3900 μH									3900 μH
4700 μH									4700 μH
5600 μH									5600 μH
6800 μH									6800 μH
8200 μH									8200 μH
10000 μH									10000 μH
12000 μH									12000 μH
15000 μH									15000 μH
Inductance (μH)									

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

Bourns® Power Inductors - SRR, PM Series

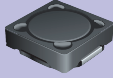
• RoHS Compliant* • Shielded • SMD

									
Model	SRR6028	SRR6038	SRR6064	SRR7032	SRR7045	SRR1210	SRR0906	SRR0908	Model
JW Miller Equivalent	PM628S	PM638S		PM7032S	PM745H				JW Miller Equivalent
Shape	square	square	square	square	square	square	square	square	Shape
Size (mm)	6.8 x 2.8	6.8 x 3.8	6.5 x 4.8	7 x 3.2	7 x 4.5	12 x 10	12.5 x 6.0	12.5 x 7.5	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
0.47 μH									0.47 μH
0.8 μH									0.8 μH
1 μH					35 / 20.0	11 / 6			1 μH
1.2 μH									1.2 μH
1.4 μH									1.4 μH
1.5 μH			2.80 / 28.0					5.60 / 14.0	1.5 μH
1.8 μH						10.2 / 7.5			1.8 μH
2.2 μH			2.50 / 35.0	2.65 / 22.0		9.5 / 9			2.2 μH
2.5 μH	2.80 / 25.0								2.5 μH
2.7 μH					2.78 / 27.0		3.20 / 32.0	4.80 / 19.0	2.7 μH
3.0 μH	3.00 / 28.0								3.0 μH
3.3 μH	2.50 / 28.0	3.50 / 20.0	2.30 / 50.0	2.40 / 27.0	2.50 / 27.0	9 / 10			3.3 μH
3.5 μH							2.90 / 36.0		3.5 μH
3.9 μH	2.45 / 32.0				2.71 / 28.0			4.40 / 21.0	3.9 μH
4.5 μH									4.5 μH
4.7 μH			2.00 / 60.0	2.00 / 42.0	2.64 / 30.0	8.5 / 12	2.70 / 40.0		4.7 μH
5.0 μH	2.40 / 40.0	2.90 / 27.0							5.0 μH
5.6 μH					2.38 / 36.0	8 / 14	2.50 / 46.0	3.80 / 28.0	5.6 μH
6.5 μH	2.30 / 40.0	2.50 / 27.0			2.33 / 38.0	8			6.5 μH
6.8 μH			1.60 / 70.0	1.60 / 54.0	2.20 / 36.0	7.9 / 15	2.30 / 50.0		6.8 μH
7.0 μH									7.0 μH
7.5 μH	2.20 / 52.0	2.30 / 31.0						3.40 / 32.0	7.5 μH
8.2 μH	2.10 / 56.0	2.20 / 34.0				7.3 / 17	2.10 / 55.0		8.2 μH
10 μH	2.00 / 65.0	2.00 / 38.0	1.30 / 120	1.40 / 68.0	2.00 / 42.0	6.5 / 18	1.80 / 80.0	3.00 / 40.0	10 μH
12 μH	1.90 / 70.0	1.70 / 53.0			1.85 / 50.0	6.3 / 22	1.70 / 85.0	2.50 / 50.0	12 μH
15 μH	1.70 / 78.0	1.60 / 57.0	1.10 / 130	1.10 / 95.0	1.60 / 62.0	5.8 / 32	1.60 / 100	2.20 / 50.0	15 μH
18 μH	1.50 / 85.0	1.50 / 92.0			1.50 / 70.0	5.5 / 35	1.50 / 110	2.00 / 75.0	18 μH
22 μH	1.40 / 115	1.30 / 96.0	0.90 / 190	0.96 / 135	1.35 / 82.0	5.2 / 38	1.40 / 130	1.90 / 80.0	22 μH
27 μH	1.20 / 130	1.20 / 109			1.25 / 110	5 / 40	1.30 / 140	1.80 / 90.0	27 μH
33 μH	1.15 / 155	1.10 / 124	0.70 / 250	0.76 / 200	1.15 / 115	4.4 / 52	1.20 / 150	1.70 / 100	33 μH
39 μH	1.00 / 195	1.00 / 138			1.10 / 130	4.2 / 66	1.10 / 160	1.50 / 140	39 μH
47 μH	0.92 / 235	0.95 / 155	0.60 / 350	0.67 / 280	0.95 / 150	3.8 / 72	1.00 / 180	1.40 / 150	47 μH
56 μH	0.85 / 260	0.85 / 202			0.85 / 200	3.4 / 90	0.93 / 300	1.35 / 170	56 μH
68 μH	0.80 / 300	0.75 / 234	0.50 / 520	0.60 / 380	0.77 / 210	3 / 102	0.85 / 350	1.25 / 180	68 μH
82 μH	0.70 / 400	0.70 / 324			0.70 / 280	2.8 / 112	0.78 / 370	1.05 / 260	82 μH
100 μH	0.58 / 385	0.65 / 358	0.40 / 650	0.45 / 540	0.65 / 300	2.5 / 135	0.70 / 420	1.00 / 280	100 μH
120 μH					0.60 / 420	2.3 / 170	0.65 / 480	0.90 / 340	120 μH
150 μH	0.50 / 600		0.30 / 1000	0.37 / 800	0.53 / 480	2.2 / 190	0.60 / 550	0.80 / 450	150 μH
180 μH					0.475 / 660	1.4 / 250	0.52 / 820	0.70 / 500	180 μH
220 μH	0.45 / 820		0.25 / 1700	0.30 / 1300	0.45 / 700	1.7 / 315	0.48 / 1000	0.65 / 600	220 μH
270 μH					0.40 / 840	1.5 / 410	0.44 / 1100	0.60 / 700	270 μH
330 μH	0.37 / 1400		0.20 / 2100	0.22 / 1900	0.40 / 730	1.4 / 450	0.40 / 1300	0.55 / 800	330 μH
390 μH					0.35 / 1200	1.3 / 600	0.38 / 1400	0.50 / 1000	390 μH
470 μH	0.27 / 2100		0.18 / 3300	0.20 / 2400	0.32 / 1100	1.2 / 820	0.35 / 1600	0.45 / 1150	470 μH
560 μH					0.30 / 1600	1.1 / 900	0.28 / 2700	0.38 / 1500	560 μH
680 μH	0.22 / 3100		0.15 / 4800	0.16 / 3750	0.27 / 1600	1 / 1200	0.25 / 3200	0.35 / 1700	680 μH
820 μH					0.25 / 2200	0.85 / 1320	0.23 / 3500	0.32 / 2200	820 μH
1000 μH	0.15 / 4500		0.12 / 6100	0.15 / 5400	0.25 / 2400	0.75 / 1650	0.22 / 4000	0.30 / 2500	1000 μH
1200 μH							0.20 / 4400		1200 μH
1500 μH							0.18 / 5200	0.25 / 4000	1500 μH
1800 μH							0.17 / 7000		1800 μH
2200 μH							0.16 / 8500	0.20 / 5000	2200 μH
2700 μH							0.14 / 9200		2700 μH
3300 μH							0.12 / 11000	0.15 / 8000	3300 μH
3900 μH							0.11 / 16000		3900 μH
4700 μH							0.10 / 19000	0.12 / 12000	4700 μH
5600 μH							0.09 / 21000		5600 μH
6800 μH							0.09 / 24000	0.10 / 16500	6800 μH
8200 μH							0.08 / 31000	0.10 / 24000	8200 μH
10000 μH							0.07 / 38000	0.09 / 26000	10000 μH
12000 μH									12000 μH
15000 μH								0.08 / 40000	15000 μH
Inductance (μH)									

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

Bourns® Power Inductors - SRR, PM Series

• RoHS Compliant* • Shielded • SMD

									
Model	SRR1240	SRR1305	SRR1260	SRR1280	SRR1205	SRR1206	SRR1208	SRR6603	Model
JW Miller Equivalent	PM1245H		PM1255H	PM1275H				PM1608S	JW Miller Equivalent
Shape	square	square	square	square	square	square	square	oval	Shape
Size (mm)	12.5 x 4.0	12.5 x 5.0	12.5 x 6.0	12.5 x 7.5	12.7 x 5.5	12.7 x 6.5	12.7 x 8.5	6.6 x 4.4 x 3.0	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
0.47 μH									0.47 μH
0.8 μH		20.0 / 2.5							0.8 μH
1 μH	9.30 / 7.0		9.4 / 7.8	10.20 / 6.5				3.00 / 40.0	1 μH
1.2 μH		16.0 / 3.4	9.20 / 8.0	6.60 / 18.0					1.2 μH
1.4 μH				9.80 / 9.8					1.4 μH
1.5 μH	9.20 / 9.5		8.80 / 9.5					2.80 / 45.0	1.5 μH
1.8 μH		13.0 / 4.6							1.8 μH
2.2 μH			8.20 / 10.5					1.80 / 50.0	2.2 μH
2.5 μH	8.00 / 11.5	6.0 / 9.5	7.80 / 11.5	9.20 / 10.0	5.00 / 24.0	6.20 / 16.0	7.50 / 11.0		2.5 μH
2.7 μH									2.7 μH
3.0 μH									3.0 μH
3.3 μH	6.80 / 15.0		7.60 / 12.0	8.80 / 12.0	4.50 / 30.0			1.60 / 55.0	3.3 μH
3.5 μH				8.80 / 12.0					3.5 μH
3.9 μH									3.9 μH
4.5 μH				8.50 / 13.5			6.50 / 14.0		4.5 μH
4.7 μH	6.00 / 18.0		6.80 / 15.5	8.20 / 15.5				1.40 / 60.0	4.7 μH
5.0 μH					4.00 / 35.0	4.70 / 22.0			5.0 μH
5.6 μH	5.40 / 20.0			8.00 / 16.0					5.6 μH
6.5 μH			6.60 / 17.0				6.00 / 18.0		6.5 μH
6.8 μH	5.20 / 23.0		6.30 / 18.0	7.60 / 18.5				1.20 / 65.0	6.8 μH
7.0 μH									7.0 μH
7.5 μH			6.00 / 19.0	6.40 / 17.5	3.50 / 40.0	3.80 / 25.0			7.5 μH
8.2 μH	4.50 / 27.0		5.70 / 19.5	6.20 / 20.5					8.2 μH
10 μH	4.00 / 32.0		5.50 / 20.0	6.00 / 19.5	3.00 / 54.0	3.30 / 35.0	5.00 / 21.0	1.00 / 75.0	10 μH
12 μH	3.80 / 38.0		5.20 / 23.0	5.60 / 28.0	2.80 / 65.0	3.00 / 38.0	4.80 / 25.0		12 μH
15 μH	3.50 / 47.0		5.00 / 27.0	5.20 / 28.5	2.70 / 70.0	2.80 / 42.0	4.00 / 35.0	0.80 / 90.0	15 μH
18 μH	3.20 / 55.0		4.20 / 36.0	4.80 / 35.0	2.60 / 82.0	2.50 / 50.0	3.80 / 40.0		18 μH
22 μH	3.00 / 67.5		4.00 / 43.0	4.30 / 38.5	2.40 / 95.0	2.30 / 62.0	3.50 / 43.0	0.70 / 110	22 μH
27 μH	2.55 / 85.0		3.60 / 45.0	3.90 / 52.0	2.00 / 120	2.00 / 68.0	3.00 / 48.0		27 μH
33 μH	2.30 / 97.5		3.00 / 60.0	3.50 / 57.0	1.80 / 145	1.90 / 90.0	2.80 / 62.0	0.60 / 190	33 μH
39 μH	2.15 / 120		2.80 / 70.0	3.20 / 70.0	1.65 / 160	1.75 / 100	2.50 / 76.0		39 μH
47 μH	2.00 / 135		2.60 / 86.0	2.90 / 80.0	1.50 / 200	1.60 / 130	2.20 / 85.0	0.50 / 230	47 μH
56 μH	1.80 / 170		2.30 / 100	2.60 / 100	1.40 / 240	1.45 / 145	2.00 / 110		56 μH
68 μH	1.50 / 200		2.10 / 110	2.40 / 120	1.30 / 280	1.30 / 170	1.80 / 135	0.40 / 290	68 μH
82 μH	1.35 / 250		1.95 / 145	2.30 / 130	1.20 / 330	1.20 / 185	1.60 / 150		82 μH
100 μH	1.25 / 300		1.70 / 180	2.10 / 150	1.00 / 400	1.10 / 220	1.50 / 170	0.30 / 480	100 μH
120 μH	1.20 / 370		1.65 / 210	1.95 / 200	0.90 / 500	1.00 / 260	1.40 / 190		120 μH
150 μH	1.10 / 440		1.55 / 260	1.85 / 270	0.80 / 580	0.90 / 320	1.30 / 240	0.26 / 590	150 μH
180 μH	0.98 / 550		1.40 / 320	1.75 / 300	0.70 / 750	0.80 / 330	1.20 / 270		180 μH
220 μH	0.92 / 660		1.38 / 380	1.60 / 400	0.65 / 840	0.70 / 460	1.10 / 380	0.22 / 770	220 μH
270 μH	0.80 / 780		1.30 / 450	1.20 / 450	0.60 / 1000	0.65 / 520	0.95 / 400		270 μH
330 μH	0.75 / 950		1.15 / 580	1.10 / 600	0.54 / 1340	0.60 / 660	0.85 / 650	0.20 / 1400	330 μH
390 μH	0.70 / 1150		1.08 / 700	1.00 / 680	0.50 / 1500	0.55 / 870	0.80 / 670		390 μH
470 μH	0.62 / 1350		0.95 / 820	0.90 / 880	0.45 / 1980	0.50 / 970	0.70 / 850	0.19 / 1800	470 μH
560 μH	0.55 / 1500		0.88 / 1000	0.80 / 960	0.40 / 2200	0.45 / 1320	0.65 / 900		560 μH
680 μH	0.50 / 2000		0.80 / 1150	0.75 / 1300	0.35 / 2400	0.40 / 1500	0.60 / 1000	0.18 / 2200	680 μH
820 μH	0.45 / 2400		0.73 / 1500	0.70 / 1500	0.30 / 3000	0.35 / 1700	0.55 / 1150		820 μH
1000 μH	0.42 / 3000		0.68 / 1700	0.68 / 1700		0.30 / 2300	0.50 / 1650	0.15 / 3400	1000 μH
1200 μH						0.25 / 2650	0.40 / 2000		1200 μH
1500 μH						0.20 / 3500	0.36 / 2350	0.12 / 4200	1500 μH
1800 μH							0.46 / 3400		1800 μH
2200 μH							0.40 / 4200	0.10 / 8500	2200 μH
2700 μH							0.35 / 5200		2700 μH
3300 μH							0.32 / 6400	0.08 / 11000	3300 μH
3900 μH							0.30 / 7800		3900 μH
4700 μH							0.28 / 9600	0.06 / 13900	4700 μH
5600 μH							0.25 / 12000		5600 μH
6800 μH							0.22 / 15200	0.04 / 25000	6800 μH
8200 μH							0.20 / 17000		8200 μH
10000 μH							0.18 / 19200	0.02 / 32800	10000 μH
12000 μH									12000 μH
15000 μH									15000 μH
Inductance (μH)									

ERROR: stackunderflow
OFFENDING COMMAND: exch

STACK:

/_ct_na