

# Bourns® Surface Mount Power Inductors and Common Mode Chokes

*Product Selection Guide - 2010*



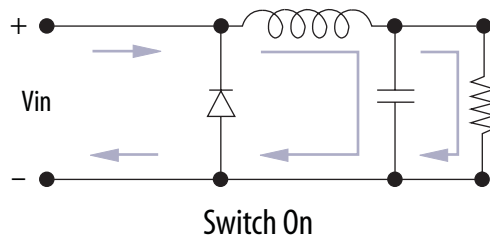
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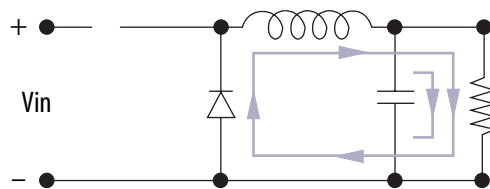
# Inductors - Typical Applications

## Energy Storage

An inductor stores energy in the form of magnetic flux.



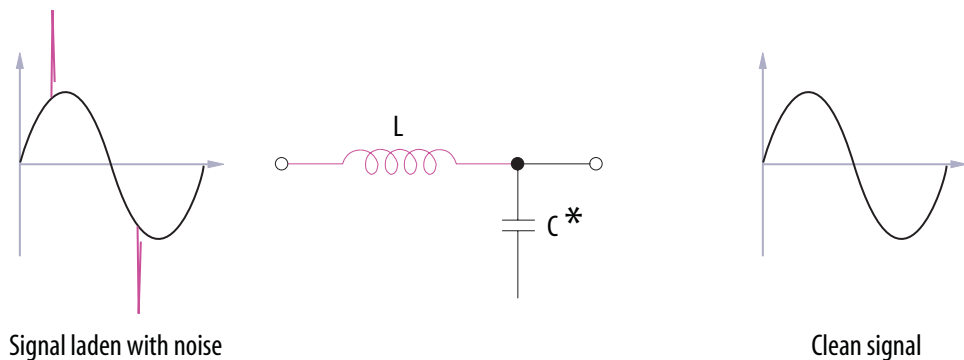
Current through an inductor is transformed to produce magnetic fields. Inductor is charged when the circuit is on.



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

## Noise Filters

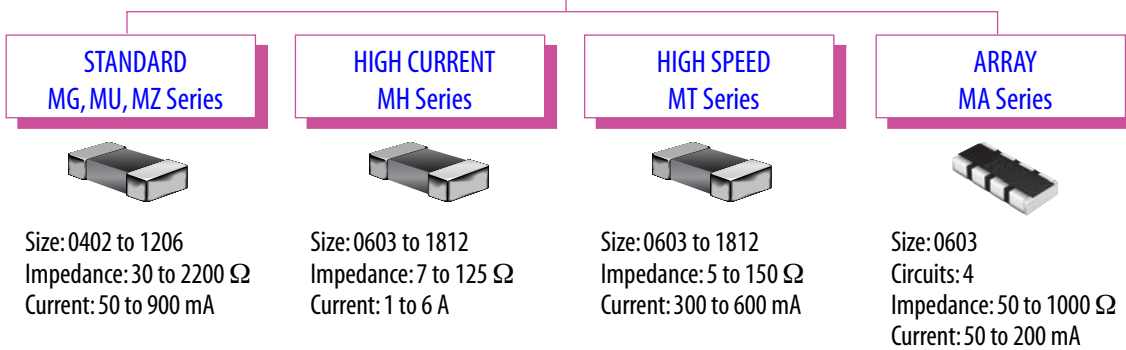
An inductor presents a series of impedances ( $Z=j\omega L+R$ ) to suppress electromagnetic interference (EMI). The reactance  $j\omega L$  resists the flow of noise signal while the equivalent loss resistance  $R$  of core material absorbs the undesired signal.



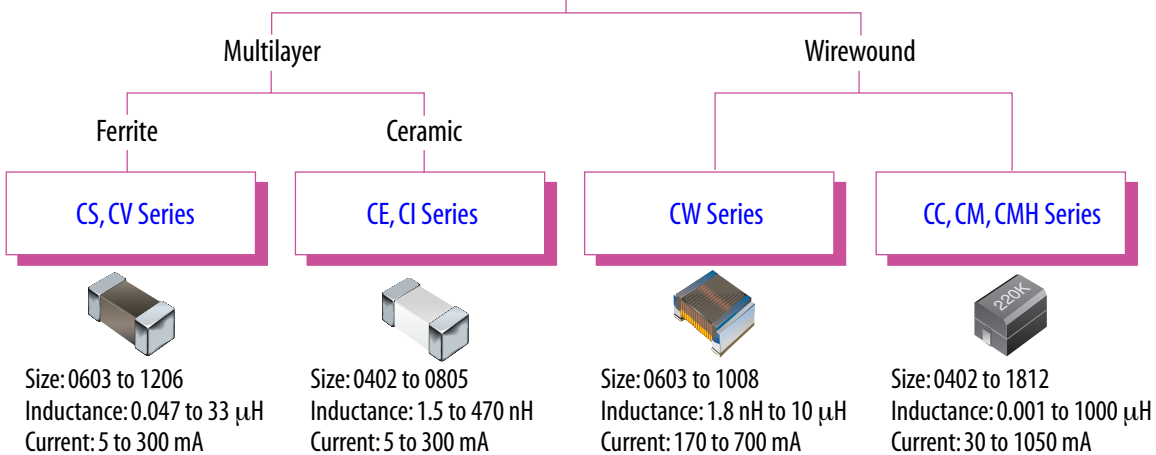
\*Filtering performance advances with addition of capacitor

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

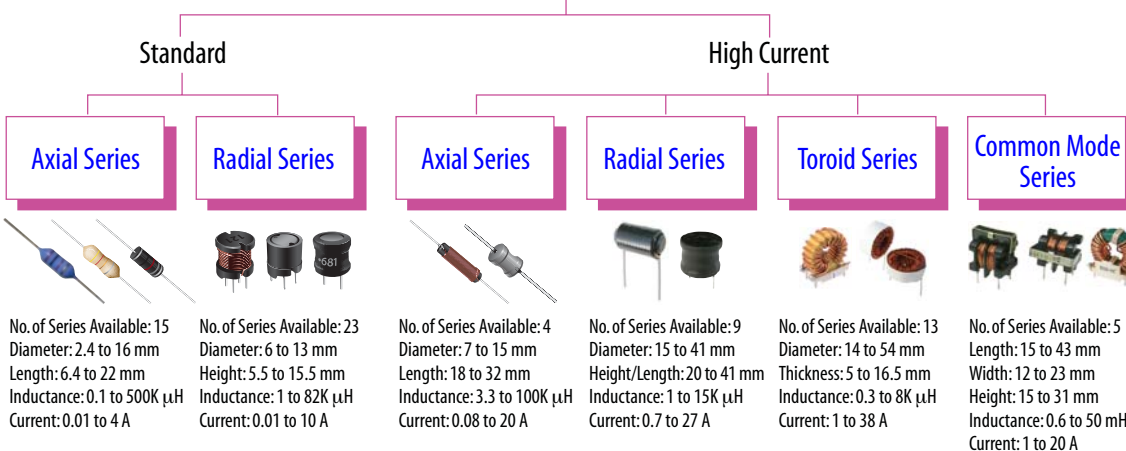
## Chip Beads



## Chip Inductors












## Through-Hole Inductors



# Bourns® Power Inductors - SDR, PM Series

• RoHS Compliant\* • Non-Shielded • SMD









										
<b>Model</b>	<b>SDR0302</b>	<b>SDR0403</b>	<b>SDR0503</b>	<b>SDR0603</b>	<b>SDR0604</b>	<b>SDR0805</b>	<b>SDR1006</b>	<b>PM104</b>	<b>SDR1307</b>	<b>Model</b>
<b>JW Miller Equivalent</b>	<b>PM32</b>	<b>PM43</b>			<b>PM54</b>	<b>PM75</b>	<b>PM105</b>			<b>JW Miller Equivalent</b>
<b>Shape</b>	round	round	round	round	round	round	round	round	round	<b>Shape</b>
<b>Size (mm)</b>	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	<b>Size (mm)</b>
<b>Irms / DCR</b>	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	<b>Irms / DCR</b>
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







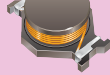
									
<b>Model</b>	<b>SDR0602</b>	<b>SDR7030</b>	<b>SDR7045</b>	<b>SDR0906</b>	<b>SDR1030</b>	<b>SDR1045</b>	<b>SDR1105</b>	<b>SDR1305</b>	<b>Model</b>
<b>Shape</b>	rectangular	square	square	square	square	square	square	square	<b>Shape</b>
<b>Size (mm)</b>	5.8 x 5.0 x 2.2	7.0 x 3.0	7.0 x 4.5	12.5 x 6.3	10.0 x 3.0	10.0 x 4.5	11 x 4.8	12.7 x 4.8	<b>Size (mm)</b>
<b>Irms / DCR</b>	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	<b>Irms / DCR</b>
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









								
<b>Model</b>	<b>SDR0703</b>	<b>SDR6603</b>	<b>SDR1005</b>	<b>PM3308</b>	<b>PM3340</b>	<b>SDR1806</b>	<b>SDR2207</b>	<b>Model</b>
<b>JW Miller Equivalent</b>		<b>PM1608</b>	<b>PM3316</b>			<b>PM5022</b>	<b>PM5022H</b>	<b>JW Miller Equivalent</b>
<b>Shape</b>	rectangular	oval	oval	oval	oval	oval	oval	<b>Shape</b>
<b>Size (mm)</b>	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	<b>Size (mm)</b>
<b>I<sub>rms</sub> / DCR</b>	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	<b>I<sub>rms</sub> / DCR</b>
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

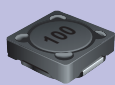
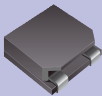
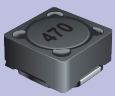
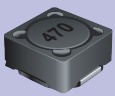
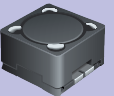
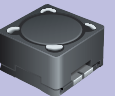
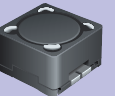
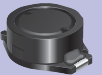
									
Model	SRR6028	SRR6038	SRR6064	SRR7032	SRR7045	SRR1210	SRR0906	SRR0908	Model
JW Miller Equivalent	PM628S	PM638S		PM7032S	PM745H				JW Miller Equivalent
Shape	square	square	square	square	square	square	square	square	Shape
Size (mm)	6.8 x 2.8	6.8 x 3.8	6.5 x 4.8	7 x 3.2	7 x 4.5	12 x 10	12.5 x 6.0	12.5 x 7.5	Size (mm)
I <sub>rms</sub> /DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	I <sub>rms</sub> /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			0.20 / 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)
I <sub>rms</sub> /DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	I <sub>rms</sub> /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)

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

# Bourns® Power Inductors - SRR, PM Series

• RoHS Compliant\* • Shielded • SMD










Model									Model
JW Miller Equivalent				PM3316S	PMS022S		PM105SB		JW Miller Equivalent
Shape	oval	oval	oval	oval	oval	round	round	round	Shape
Size (mm)	10 x 8.0 x 3.8	10 x 8.0 x 4.7	12.7 x 10 x 3.0	12.7 x 10 x 5.0	18 x 14 x 6.8	7.8 x 4.5	9.9 x 4.5	12.6 x 5.4	Size (mm)
I <sub>rms</sub> /DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	I <sub>rms</sub> /DCR
0.47 μH									0.47 μH
0.8 μH									0.8 μH
1 μH				4.50 / 17.0					1 μH
1.2 μH									1.2 μH
1.4 μH									1.4 μH
1.5 μH				3.60 / 20.0					1.5 μH
1.8 μH			3.00 / 30.0						1.8 μH
2.2 μH		2.50 / 40.0	2.76 / 45.0						2.2 μH
2.5 μH				3.10 / 27.0					2.5 μH
2.7 μH									2.7 μH
3.0 μH			2.20 / 62.0	2.90 / 30.0					3.0 μH
3.3 μH									3.3 μH
3.5 μH									3.5 μH
3.9 μH		2.10 / 55.0	2.10 / 70.0						3.9 μH
4.5 μH									4.5 μH
4.7 μH			1.90 / 80.0	2.50 / 40.0					4.7 μH
5.0 μH	1.70 / 80.0								5.0 μH
5.6 μH		1.95 / 65.0							5.6 μH
6.5 μH									6.5 μH
6.8 μH									6.8 μH
7.0 μH				2.20 / 55.0					7.0 μH
7.5 μH	1.40 / 100		1.44 / 100						7.5 μH
8.2 μH		1.75 / 80.0							8.2 μH
10 μH	1.20 / 120	1.50 / 100	1.24 / 150	2.00 / 65.0	4.00 / 33.0	1.65 / 70.0	2.10 / 60.0	2.65 / 50.0	10 μH
12 μH	1.10 / 150	1.40 / 120	1.10 / 190	1.80 / 80.0		1.57 / 70.0	1.90 / 70.0	2.50 / 50.0	12 μH
15 μH	1.00 / 170	1.30 / 140	1.02 / 200	1.70 / 85.0	3.60 / 39.0	1.39 / 80.0	1.70 / 70.0	2.45 / 60.0	15 μH
18 μH	0.90 / 190	1.20 / 160	0.90 / 270	1.60 / 90.0		1.29 / 100	1.60 / 80.0	2.40 / 60.0	18 μH
22 μH	0.80 / 250	1.10 / 180	0.85 / 300	1.40 / 100	3.00 / 53.0	1.12 / 130	1.40 / 80.0	2.20 / 70.0	22 μH
27 μH	0.70 / 270	1.00 / 200	0.75 / 400	1.30 / 120		1.06 / 160	1.30 / 100	2.00 / 80.0	27 μH
33 μH	0.65 / 300	0.92 / 240	0.70 / 450	1.20 / 160	2.50 / 83.0	0.97 / 180	1.20 / 110	1.80 / 100	33 μH
39 μH	0.60 / 380	0.84 / 260	0.65 / 560	1.05 / 180		0.91 / 180	1.10 / 120	1.65 / 110	39 μH
47 μH	0.55 / 460	0.75 / 280	0.60 / 650	1.00 / 190	2.00 / 110	0.80 / 270	1.00 / 140	1.50 / 120	47 μH
56 μH	0.50 / 600	0.68 / 380	0.52 / 680	0.90 / 210		0.76 / 290	0.93 / 190	1.38 / 150	56 μH
68 μH	0.45 / 700	0.60 / 440	0.48 / 800	0.82 / 340	1.60 / 170	0.68 / 330	0.85 / 210	1.26 / 170	68 μH
82 μH	0.40 / 800	0.54 / 550	0.42 / 1200	0.75 / 380		0.62 / 430	0.79 / 280	1.14 / 200	82 μH
100 μH	0.37 / 950	0.50 / 600	0.40 / 1400	0.68 / 420	1.30 / 270	0.55 / 490	0.72 / 340	1.05 / 250	100 μH
120 μH	0.35 / 1000	0.45 / 750	0.35 / 1520	0.60 / 460		0.49 / 680	0.63 / 370	0.95 / 280	120 μH
150 μH	0.30 / 1300	0.40 / 900	0.32 / 1800	0.55 / 520	1.05 / 400	0.44 / 940	0.55 / 510	0.85 / 400	150 μH
180 μH	0.28 / 1450	0.35 / 1050	0.28 / 2200	0.50 / 700		0.40 / 1000	0.50 / 570	0.77 / 480	180 μH
220 μH	0.24 / 1900	0.30 / 1180	0.26 / 2200	0.45 / 800	1.00 / 510	0.36 / 1180	0.47 / 780	0.70 / 520	220 μH
270 μH	0.22 / 2150	0.27 / 1400	0.22 / 3100	0.40 / 1100		0.33 / 1300	0.41 / 870	0.63 / 700	270 μH
330 μH	0.19 / 2800	0.24 / 1800	0.20 / 3600	0.35 / 1200	0.80 / 790		0.37 / 120	0.57 / 800	330 μH
390 μH	0.17 / 3300	0.22 / 2100	0.18 / 4600	0.33 / 1400			0.35 / 134	0.52 / 1080	390 μH
470 μH	0.16 / 3600	0.20 / 2250	0.16 / 5100	0.30 / 1600	0.64 / 1000		0.33 / 1.50	0.48 / 1200	470 μH
560 μH		0.18 / 3000		0.28 / 1800				0.44 / 1340	560 μH
680 μH		0.17 / 3400		0.26 / 2300	0.54 / 1470			0.40 / 1780	680 μH
820 μH		0.16 / 4000		0.24 / 2600				0.36 / 2000	820 μH
1000 μH		0.15 / 5000		0.22 / 3200	0.45 / 2160				1000 μH
1200 μH				0.20 / 3600					1200 μH
1500 μH				0.17 / 5200					1500 μH
1800 μH				0.16 / 5700					1800 μH
2200 μH				0.14 / 6500					2200 μH
2700 μH				0.12 / 8600					2700 μH
3300 μH				0.10 / 10000					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 - SRU Series

• RoHS Compliant\* • Shielded • SMD

										
Model	SRU2009	SRU2011	SRU2013	SRU2016	SRU3009	SRU3011	SRU3014	SRU3017	SRU3028	Model
Shape	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	Shape
Size (mm)	2.8 x 0.9	2.8 x 1.1	2.8 x 1.3	2.8 x 1.6	3.3 x 0.9	3.3 x 1.2	3.3 x 1.4	3.3 x 1.8	3.3 x 2.8	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
1.0 μH	1.3 / 78.0	1.65 / 100	2.20 / 65.0	2.20 / 60.0						1.0 μH
1.2 μH					1.0 / 115		1.85 / 55.0			1.2 μH
1.5 μH						1.10 / 57.0	1.55 / 63.0			1.5 μH
1.8 μH							1.10 / 95.0			1.8 μH
2.2 μH	0.80 / 160	1.20 / 165	1.45 / 120	1.60 / 105	0.80 / 145	0.92 / 80.0		0.98 / 35.0		2.2 μH
3.0 μH				1.50 / 135			1.0 / 135			3.0 μH
3.3 μH	0.60 / 240	0.90 / 240	1.0 / 135		0.65 / 225	0.84 / 116		0.80 / 55.0		3.3 μH
4.7 μH	0.50 / 280	0.73 / 365	0.90 / 220	1.15 / 215	0.48 / 290	0.63 / 178	0.82 / 165	0.63 / 68.0		4.7 μH
6.2 μH				0.90 / 250						6.2 μH
6.8 μH	0.45 / 440	0.70 / 450	0.80 / 330		0.40 / 500	0.50 / 245	0.70 / 230	0.53 / 85.0		6.8 μH
10 μH	0.35 / 710	0.52 / 740	0.67 / 520	0.87 / 430	0.28 / 760	0.40 / 340	0.64 / 290	0.47 / 120	0.72 / 160	10 μH
15 μH	0.30 / 960	0.38 / 1200	0.46 / 850	0.60 / 650			0.40 / 550	0.35 / 175	0.66 / 230	15 μH
22 μH	0.22 / 1700	0.33 / 1560	0.40 / 880	0.43 / 990	0.22 / 1450		0.32 / 875	0.30 / 250	0.60 / 270	22 μH
33 μH		0.23 / 2860	0.30 / 1820	0.41 / 1470				0.25 / 430	0.47 / 450	33 μH
47 μH			0.25 / 2860	0.31 / 1650				0.21 / 540	0.32 / 815	47 μH
68 μH				0.22 / 3510					0.24 / 1400	68 μH
100 μH				0.19 / 4900					0.19 / 2200	100 μH

Inductance (μH)


									
Model	SRU5011	SRU5016	SRU5018	SRU5028	SRU6011	SRU6013	SRU6018	SRU6025	Model
Shape	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	Shape
Size (mm)	5 x 1.1	5 x 1.6	5 x 1.8	5 x 2.8	6.2 X 1.1	6.2 X 1.4	6.2 X 1.8	6.2 X 2.5	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
1.0 μH			2.80 / 12.5			3.20 / 36.0			1.0 μH
1.2 μH				3.50 / 16.8			3.60 / 25.0	4.00 / 19.0	1.2 μH
1.5 μH	1.80 / 32.0		2.50 / 15.5		2.60 / 40.0	3.00 / 40.0			1.5 μH
1.8 μH		1.75 / 24.0					3.00 / 28.0		1.8 μH
2.2 μH			2.30 / 20.5	3.20 / 21.0		2.50 / 50.0		3.40 / 24.0	2.2 μH
2.5 μH	1.30 / 52.0				2.20 / 62.0				2.5 μH
3.3 μH	1.15 / 66.0	1.55 / 35.0		2.80 / 24.0		2.35 / 60.0	2.50 / 36.0	3.20 / 27.0	3.3 μH
3.5 μH			2.10 / 32.0						3.5 μH
3.9 μH						2.10 / 75.0			3.9 μH
4.7 μH	1.00 / 95.0	1.30 / 42.0	2.00 / 36.0	2.20 / 32.0	1.80 / 86.0		2.20 / 42.0	2.70 / 35.0	4.7 μH
6.2 μH						1.70 / 110			6.2 μH
6.8 μH	0.82 / 130	1.20 / 50.0	1.45 / 50.0	2.00 / 42.0	1.40 / 136		1.90 / 60.0	2.40 / 42.0	6.8 μH
8.2 μH								2.20 / 52.0	8.2 μH
10 μH	0.70 / 170	1.00 / 84.0	1.25 / 65.0	1.80 / 63.0	1.10 / 220	1.40 / 165	1.70 / 88.0	2.00 / 57.0	10 μH
15 μH	0.60 / 250	0.80 / 130	0.95 / 100	1.10 / 108	0.95 / 320	1.10 / 235	1.50 / 130	1.80 / 86.0	15 μH
22 μH	0.50 / 380	0.65 / 195	0.68 / 160	0.95 / 162	0.80 / 390	0.95 / 325	1.20 / 190	1.60 / 130	22 μH
33 μH	0.38 / 550	0.54 / 300	0.66 / 220	0.80 / 203	0.68 / 560	0.78 / 500	1.00 / 255	1.20 / 180	33 μH
47 μH	0.32 / 800	0.46 / 390	0.54 / 330	0.70 / 285	0.55 / 850	0.66 / 675	0.8 / 410	1.00 / 250	47 μH
68 μH	0.26 / 1240	0.36 / 560	0.37 / 480	0.56 / 450	0.46 / 1200	0.60 / 900	0.62 / 600	0.80 / 365	68 μH
100 μH	0.20 / 1600	0.30 / 850	0.32 / 620	0.47 / 625			0.5 / 715	0.70 / 500	100 μH
150 μH								0.54 / 770	150 μH
220 μH								0.42 / 1250	220 μH

Inductance (μH)

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

# Bourns® Power Inductors - SRU, PM Series

• RoHS Compliant\* • Shielded • SMD








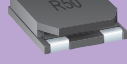
							
<b>Model</b>	<b>SRU8028</b>	<b>SRU8043</b>	<b>SRU1028</b>	<b>SRU1038</b>	<b>SRU1048</b>	<b>SRU1063</b>	<b>Model</b>
<b>JW Miller Equivalent</b>				<b>PM1045H</b>			<b>JW Miller Equivalent</b>
<b>Shape</b>	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	<b>Shape</b>
<b>Size (mm)</b>	8 x 2.8	8 x 4.3	10 x 2.8	10 x 3.8	10 x 4.8	10 x 6.5	<b>Size (mm)</b>
<b>Irms/DCR</b>	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	<b>Irms/DCR</b>
0.8 μH					7.80 / 3.6		0.8 μH
1.0 μH			7.00 / 4.9				1.0 μH
1.2 μH							1.2 μH
1.5 μH			6.50 / 7.3	7.20 / 5.0	7.00 / 4.3	8.0 / 9.0	1.5 μH
1.8 μH							1.8 μH
2.2 μH		5.40 / 11.2	5.30 / 11.0	6.80 / 7.7	6.50 / 5.3	7.5 / 11.0	2.2 μH
2.5 μH	4.50 / 13.6						2.5 μH
3.0 μH					6.20 / 7.2		3.0 μH
3.3 μH	3.60 / 17.5		4.60 / 15.0				3.3 μH
3.5 μH				5.50 / 11.5			3.5 μH
3.9 μH		4.80 / 14.6					3.9 μH
4.7 μH	3.70 / 20.0	4.60 / 17.0	4.50 / 16.5		5.50 / 9.5	5.50 / 14.0	4.7 μH
5.0 μH				4.60 / 14.5			5.0 μH
6.2 μH				4.00 / 16.5			6.2 μH
6.8 μH	2.80 / 34.0	3.80 / 22.4	3.50 / 25.0		4.80 / 13.6		6.8 μH
8.2 μH			3.30 / 28.5		4.60 / 15.0		8.2 μH
10 μH	2.60 / 45.0	3.50 / 30.0	2.80 / 40.0	3.80 / 25.0	4.50 / 18.5	2.80 / 38.0	10 μH
15 μH	2.00 / 66.0	2.70 / 46.0	2.00 / 69.0	2.80 / 37.0	3.20 / 29.0	3.20 / 42.0	15 μH
22 μH	1.60 / 106	2.20 / 72.5	1.60 / 104	2.20 / 55.8	2.60 / 42.0	3.00 / 60.0	22 μH
33 μH	1.30 / 147	1.70 / 100	1.25 / 139	1.80 / 86.0	2.10 / 63.0	2.20 / 105	33 μH
47 μH	1.20 / 177	1.50 / 120	1.30 / 167	1.65 / 121	1.70 / 94.0	1.40 / 150	47 μH
56 μH			1.10 / 208		1.60 / 110		56 μH
68 μH	0.85 / 317	1.20 / 192	1.00 / 232	1.10 / 166	1.40 / 127	1.20 / 210	68 μH
82 μH			090 / 323		1.30 / 149		82 μH
100 μH	0.75 / 390	1.00 / 287	0.85 / 365	1.30 / 220	1.20 / 160	1.10 / 320	100 μH
120 μH			0.65 / 428				120 μH
150 μH			0.70 / 518	0.90 / 358	1.00 / 235		150 μH
220 μH				0.65 / 565	0.80 / 350		220 μH
330 μH				0.55 / 773	0.65 / 490		330 μH

Inductance (μH)

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

# Bourns® High Current Power Inductors - SRP, PM Series

• RoHS Compliant\* • Shielded • SMD








									
Model	SRP4020	SRP7030	SRP7030F	SRP8040	SRP1040	SRP1045	SRP1055	SRP1204	Model
JW Miller Equivalent					PM1038S				JW Miller Equivalent
Shape	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	square	Shape
Technology	flat wire	round wire	flat wire	flat wire	round wire	flat wire	flat wire	flat wire	Technology
Size (mm)	4.6 x 4 x 2	7.6 x 6.8 x 3(4)	7.4 x 6.5 x 3.2	7.6 x 6.1 x 4.2	11 x 10.5 x 4.2	11 x 9.35 x 4.5	11 x 9.35 x 5.5	12.5 x 4.0	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
0.1 μH		32.5 / 1.7	32 / 1.7	35 / 0.5					0.1 μH
0.15 μH		26 / 2.5	28 / 1.99		34 / 1.3				0.15 μH
0.2 μH		24 / 3.0	23 / 2.4	25 / 0.5	32 / 1.0				0.2 μH
0.22 μH	10 / 9.3	23 / 2.8	23 / 2.4						0.22 μH
0.35 μH	9 / 12	20 / 3.9	18 / 3.4		28 / 1.4	23 / 1.7	28 / 1.7		0.35 μH
0.47 μH	8 / 14	17.5 / 4.2	17 / 4.5		26 / 1.6				0.47 μH
0.5 μH	7 / 14.7				23 / 1.9			13 / 3.0	0.5 μH
0.6 μH			15 / 5						0.6 μH
0.7 μH	6.3 / 16.2	15.5 / 5.5	15 / 5		23 / 2.4				0.7 μH
0.8 μH	5.5 / 19.2	13 / 8.0	12 / 6.6		21 / 3.0	15 / 3.9	20 / 2.5		0.8 μH
1.0 μH	5 / 21.6	11 / 10.0	11 / 7		20 / 3.5			12 / 4.5	1.0 μH
1.2 μH	5 / 22.8				18 / 4.7				1.2 μH
1.5 μH	4.5 / 30.5	9 / 15.0	10 / 10		20 / 7.5	13 / 4.4	16 / 3.2		1.5 μH
1.8 μH		8.5 / 17.0			15 / 7.5			10 / 6.0	1.8 μH
2.2 μH	4.5 / 33	8 / 12.0	7 / 20		12 / 8.6	9.5 / 6.7	12 / 5.8		2.2 μH
2.7 μH									2.7 μH
3.0 μH									3.0 μH
3.3 μH		6 / 30.0	7 / 24		10 / 10	8.0 / 10.4	11 / 7.2		3.3 μH
3.9 μH									3.9 μH
4.7 μH		5.5 / 40.0	5 / 35		8 / 14		10 / 8.5		4.7 μH
5.6 μH			5 / 45		7 / 16		7.6 / 13.2		5.6 μH
6.8 μH		4.5 / 60.0	4.5 / 50		6.5 / 24				6.8 μH
7.2 μH							7.0 / 15.5		7.2 μH
8.2 μH		4 / 68.0	4.5 / 54		5 / 33				8.2 μH
8.8 μH							6.0 / 17.2		8.8 μH
10 μH		3 / 105	3.5 / 60		5 / 35				10 μH
12 μH									12 μH
15 μH					5 / 57				15 μH
18 μH									18 μH
22 μH					35 / 62				22 μH
27 μH									27 μH
33 μH					3 / 87				33 μH
39 μH									39 μH
47 μH					2 / 160				47 μH
56 μH									56 μH
68 μH									68 μH
82 μH									82 μH
100 μH									100 μH
120 μH									120 μH
150 μH									150 μH
180 μH									180 μH
220 μH									220 μH
270 μH									270 μH
330 μH									330 μH
390 μH									390 μH
470 μH									470 μH
560 μH									560 μH
680 μH									680 μH
820 μH									820 μH
1000 μH									1000 μH

Inductance (μH)

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

# Bourns® High Current Power Inductors – SRP, PM Series








• RoHS Compliant\* • Shielded • SMD

Model								Model
JW Miller Equivalent				PM12645S PM12651S PM13560S PM13656S PM13666S				JW Miller Equivalent
Shape	square	square	square	rectangular	square	oval	oval	Shape
Technology	flat wire	flat wire	round wire	round wire	round wire	toroid	toroid	Technology
Size (mm)	12.5 x 5.0	12.5 x 5.7	13.9 x 3.7	13.9 x 13.5 x 5.9	13.7 x 7	30.5 x 25.4 x 15	30.5 x 25.4 x 21	Size (mm)
I <sub>rms</sub> /DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	I <sub>rms</sub> /DCR
0.1 μH			43 / 0.96					0.1 μH
0.15 μH			41 / 1.2					0.15 μH
0.22 μH			38.5 / 1.3	45 / 1				0.22 μH
0.35 μH	18 / 1.8		36.5 / 1.5	38 / 1.3	46 / 0.9			0.35 μH
0.47 μH		30 / 2.3	32 / 2	38 / 1.3	41 / 1.2			0.47 μH
0.5 μH				36 / 1.5				0.5 μH
0.6 μH	16 / 2.5	28 / 2.3	29 / 2.5					0.6 μH
0.7 μH			28 / 2.5	34 / 1.7	35 / 1.6			0.7 μH
0.8 μH		26 / 3.2	25 / 3	31 / 2.3				0.8 μH
1.0 μH	14 / 3.4		24 / 3.5	29 / 2.5	32 / 2.1	23 / 2.0	25 / 2.0	1.0 μH
1.2 μH		22 / 3.6	21 / 4.5	27 / 3.3		20 / 2.0	25 / 2.0	1.2 μH
1.5 μH			19 / 5.5	23 / 4.1	27 / 2.6	20 / 2.0	22 / 3.0	1.5 μH
1.8 μH	13 / 3.4	17 / 6	16.5 / 7	21 / 4.7	24 / 3.2	19 / 3.0	22 / 3.0	1.8 μH
2.2 μH			16 / 8	20 / 5.5	22 / 4.2	17 / 3.0	20 / 3.0	2.2 μH
2.7 μH	11.5 / 3.4	15 / 7		17 / 7.3		16 / 4.0	20 / 3.0	2.7 μH
3.3 μH	11 / 5.4		12 / 12	15 / 9.2	18 / 6.6	16 / 4.0	18 / 4.0	3.3 μH
3.9 μH	10.5 / 5.4					15 / 4.0	18 / 4.0	3.9 μH
4.7 μH			10 / 15	12 / 15	15 / 11.2	14 / 4.0	17 / 5.0	4.7 μH
5.6 μH	8.5 / 11.4		10 / 18	9.5 / 10	14 / 10	14 / 5.0	16 / 5.0	5.6 μH
6.8 μH			9 / 22	11 / 18.5	12 / 14	13 / 5.0	15 / 6.0	6.8 μH
7.2 μH	8.3 / 13.5			10 / 20.5				7.2 μH
8.2 μH					11 / 15.5	13 / 6.0	15 / 6.0	8.2 μH
8.8 μH				10 / 22.5				8.8 μH
10 μH				9 / 25.5	10 / 16.8	12 / 7.0	14 / 7.0	10 μH
12 μH						11 / 7.0	13 / 8.0	12 μH
15 μH						11 / 8.0	12 / 9.0	15 μH
18 μH						10 / 9.0	12 / 9.0	18 μH
22 μH						9.7 / 10.0	11 / 11.0	22 μH
27 μH						8.2 / 14.0	10 / 12.0	27 μH
33 μH						7.0 / 19.0	10 / 13.0	33 μH
39 μH						6.8 / 20.0	9.9 / 14.0	39 μH
47 μH						6.5 / 22.0	8.2 / 19.0	47 μH
56 μH						6.2 / 24.0	7.9 / 21.0	56 μH
68 μH						5.9 / 27.0	6.7 / 29.0	68 μH
82 μH						5.6 / 29.0	6.4 / 32.0	82 μH
100 μH						5.4 / 32.0	6.1 / 35.0	100 μH
120 μH						5.1 / 35.0	5.8 / 39.0	120 μH
150 μH						4.3 / 49.0	5.5 / 43.0	150 μH
180 μH						3.7 / 66.0	5.3 / 47.0	180 μH
220 μH						3.5 / 74.0	5.0 / 52.0	220 μH
270 μH						3.4 / 82.0	4.2 / 72.0	270 μH
330 μH						3.2 / 90.0	3.6 / 100	330 μH
390 μH						3.1 / 98.0	3.5 / 108	390 μH
470 μH						2.6 / 133	3.3 / 119	470 μH
560 μH						2.5 / 146	3.2 / 130	560 μH
680 μH						2.1 / 202	3.0 / 142	680 μH
820 μH						2.0 / 221	2.9 / 157	820 μH
1000 μH						1.9 / 244	2.5 / 215	1000 μH



Inductance (μH)

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

# Bourns® Common Mode Chokes/Line Filters/Chip Inductors - DR, SRF Series • RoHS Compliant\* • SMD

								
<b>Model</b>	<b>DR221</b>	<b>DR331</b>	<b>SRF0504</b>	<b>SRF0602</b>	<b>SRF0905</b>	<b>SRF1006</b>	<b>SRF1306</b>	<b>Model</b>
<b>Shape</b>	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	<b>Shape</b>
<b>Core</b>	toroidal	toroidal	ferrite	toroidal	toroidal	toroidal	toroidal	<b>Core</b>
<b>Size (mm)</b>	5 x 3.3 x 3.3	7.3 x 5.4 x 4.7	5.2 x 5x 4.8	6.5 x 3.6 x 1.65	9.2 x 6.0 x 5	10 x 8.7 x 6.35	12.7 x 11 x 5.75	<b>Size (mm)</b>
<b>Irms/DCR</b>	mA / Ω	mA / Ω	mA / Ω	mA / Ω	mA / Ω	mA / Ω	mA / Ω	<b>Irms/DCR</b>
0.55 μH			5000 / 0.02					0.55 μH
1 μH			2000 / 0.04					1 μH
2.5 μH			1500 / 0.06					2.5 μH
3 μH			1000 / 0.1					3 μH
5 μH			500 / 0.2					5 μH
10 μH				300 / 0.24	1600 / 0.08			10 μH
11 μH	250 / 0.13	500 / 0.10						11 μH
22 μH	250 / 0.17							22 μH
25 μH		500 / 0.18			1000 / 0.16			25 μH
33 μH	200 / 0.20						2700 / 0.035	33 μH
40 μH					900 / 0.25			40 μH
47 μH				300 / 0.216				47 μH
50 μH	200 / 0.24				800 / 0.32			50 μH
51 μH		500 / 0.28						51 μH
60 μH							2000 / 0.065	60 μH
82 μH				300 / 0.22				82 μH
100 μH		500 / 0.10		300 / 0.22		1400 / 0.025	700 / 0.10	100 μH
180 μH				300 / 0.25				180 μH
220 μH				300 / 0.28				220 μH
250 μH					1200 / 0.13	1190 / 0.035	600 / 0.15	250 μH
330 μH				300 / 0.30				330 μH
470 μH	100 / 0.28	500 / 0.26			1100 / 0.14			470 μH
500 μH					1000 / 0.15	840 / 0.07	400 / 0.30	500 μH
1000 μH		500 / 0.38			800 / 0.31	520 / 0.18	350 / 0.40	1000 μH
2000 μH					600 / 0.42	400 / 0.27		2000 μH
2200 μH		300 / 0.7						2200 μH
3000 μH						350 / 0.33		3000 μH
4000 μH						300 / 0.55		4000 μH
4700 μH		200 / 0.65			400 / 0.90	250 / 0.62		4700 μH
6500 μH					300 / 1.05			6500 μH

Inductance (μH)

			
<b>Model</b>	<b>SRF2012</b>	<b>SRF3216</b>	<b>Model</b>
<b>Shape</b>	rectangular	rectangular	<b>Shape</b>
<b>Core</b>	ferrite	ferrite	<b>Core</b>
<b>Size (mm)</b>	2.0 x 1.25 x 1.25	3.2 x 1.6 x 1.9	<b>Size (mm)</b>
<b>Irms/DCR</b>	mA / Ω	mA / Ω	<b>Irms/DCR</b>
30 Ω	450 / 0.20		30 Ω
67 Ω	400 / 0.25		67 Ω
90 Ω	385 / 0.35		90 Ω
120 Ω	370 / 0.30	370 / 0.30	120 Ω
160 Ω	350 / 0.35	340 / 0.40	160 Ω
180 Ω	330 / 0.36		180 Ω
260 Ω	300 / 0.40	310 / 0.50	260 Ω
370 Ω	280 / 0.45		370 Ω
600 Ω		260 / 0.80	600 Ω
1000 Ω		230 / 1.00	1000 Ω
2200 Ω		200 / 1.20	2200 Ω

Impedance (Ω)

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



# Design Kits

Chip Bead, Chip Inductor and Power Inductor Design Kits are available.

Contact your Bourns local sales representative, distributor or customer service representative to obtain a design kit.




## Chip Beads

Kit Number	 <b>MHBEAD-LAB1</b>	 <b>MTBEAD-LAB1</b>	 <b>MUBEAD-LAB1</b>	Kit Number
Part Numbers Included	MH2029-121Y	MT2029-070Y	MU1608-600Y	Part Numbers Included
	MH2029-151Y	MT2029-100Y	MG1608-121Y	
	MH2029-221Y	MT2029-110Y	MU1608-221Y	
	MH2029-301Y	MT2029-170Y	MU1608-471Y	
	MH2029-471Y	MT2029-260Y	MZ1608-102Y	
	MH2029-601Y	MT2029-300Y	MG1608-202Y	
	MH3261-121Y	MT3261-190Y	MG2029-400Y	
	MH3261-151Y	MT3261-260Y	MG2029-800Y	
	MH3261-301Y	MT3261-310Y	MU2029-151Y	
	MH3261-471Y	MT3261-420Y	MU2029-221Y	
	MH3261-501Y	MT3261-500Y	MU2029-471Y	
	MH3261-601Y	MT3261-700Y	MZ2029-601Y	
	MH4532-700Y	MT4532-250Y	MU3261-121Y	
	MH4532-800Y	MT4532-700Y	MU3261-221Y	
	MH4532-121Y	MT4532-800Y	MU3261-301Y	
MH4532-151Y	MT4532-101Y	MU3261-601Y		
MH4532-681Y	MT4532-121Y	MU3261-122Y		
MH4532-132Y	MT4532-151Y	MU3261-202Y		
Quantity	10-15 of each in every kit	10-15 of each in every kit	15 of each in every kit	Quantity

## Chip Inductors - Multilayer

Kit Number	 <b>CI100505-LAB1</b>	 <b>CI160808-LAB1</b>	 <b>CE201210-LAB1</b>	 <b>CS160808-LAB1</b>	 <b>CV201210-LAB1</b>	 <b>CS321613-LAB1</b>	Kit Number
Part Numbers Included	CI100505-1N0D	CI160808-1N0D	CE201210-1N5D	CS160808-47NK	CV201210-47NK	CS321613-4N7K	Part Numbers Included
	CI100505-1N2D	CI160808-1N2D	CE201210-2N2D	CS160808-68NK	CV201210-68NK	CS321613-6N8J	
	CI100505-1N5D	CI160808-1N5D	CE201210-3N3K	CS160808-R10K	CV201210-R10K	CS321613-8N2J	
	CI100505-1N8D	CI160808-1N8D	CE201210-4N7K	CS160808-R12K	CV201210-R15K	CS321613-10NJ	
	CI100505-2N2D	CI160808-2N2D	CE201210-6N8K	CS160808-R15K	CV201210-R22K	CS321613-12NJ	
	CI100505-2N7D	CI160808-2N7D	CE201210-10NJ	CS160808-R18K	CV201210-R33K	CS321613-15NJ	
	CI100505-3N3D	CI160808-3N3D	CE201210-15NJ	CS160808-R22K	CV201210-R47K	CS321613-18NJ	
	CI100505-3N9D	CI160808-4N7D	CE201210-22NJ	CS160808-R27K	CV201210-R68K	CS321613-22NJ	
	CI100505-4N7D	CI160808-6N8J	CE201210-33NJ	CS160808-R33K	CV201210-1R0K	CS321613-27NJ	
	CI100505-5N6D	CI160808-10NJ	CE201210-47NJ	CS160808-R39K	CV201210-1R5K	CS321613-33NJ	
	CI100505-6N8J	CI160808-15NJ	CE201210-68NJ	CS160808-R47K	CV201210-2R2K	CS321613-39NJ	
	CI100505-10NJ	CI160808-22NJ	CE201210-R10J	CS160808-R56K	CV201210-3R3K	CS321613-47NJ	
	CI100505-15NJ	CI160808-33NJ	CE201210-R15J	CS160808-R68K	CV201210-4R7K	CS321613-56NJ	
	CI100505-22NJ	CI160808-47NJ	CE201210-R22J	CS160808-R82K	CV201210-6R8K	CS321613-68NJ	
	CI100505-33NJ	CI160808-68NJ	CE201210-R27J	CS160808-1R0K	CV201210-100K	CS321613-82NJ	
	CI100505-47NJ	CI160808-R10J	CE201210-R33J	CS160808-1R2K	CV201210-150K	CS321613-R10J	
	CI100505-68NJ	CI160808-R15J	CE201210-R39J	CS160808-1R5K	CV201210-220K	CS321613-R15J	
	CI100505-R10J	CI160808-R22J	CE201210-R47J	CS160808-2R2K	CV201210-330K	CS321613-R22J	
Quantity	40 of each in every kit	20 of each in every kit	40 of each in every kit	40 of each in every kit	30 of each in every kit	30 of each in every kit	Quantity

## Chip Inductors - Wirewound

Kit Number	 CM100505-LAB1	 CM160808-LAB1	 CM201212-LAB1	 CM252016-LAB1	 CM322522-LAB1	 CM453232-LAB1	 CW160808-LAB1	 CW201212-LAB1	 CW252016-LAB1	Kit Number
<b>Part Numbers Included</b>	CM100505-1N0DL	CM160808-1N5DL	CM201212-10NKL	CM252016-10NKL	CM322522-R10ML	CM453232-R10ML	CW160808-4N7K	CW201212-2N2J	CW252016-10NKL	<b>Part Numbers Included</b>
	CM100505-1N2DL	CM160808-1N8DL	CM201212-15NKL	CM252016-15NKL	CM322522-R15ML	CM453232-R15ML	CW160808-6N8J	CW201212-3N3J	CW252016-12NKL	
	CM100505-1N5DL	CM160808-2N2DL	CM201212-22NKL	CM252016-22NKL	CM322522-R22ML	CM453232-R22ML	CW160808-8N2J	CW201212-4N7J	CW252016-15NKL	
	CM100505-1N8DL	CM160808-2N7DL	CM201212-33NKL	CM252016-33NKL	CM322522-R33ML	CM453232-R33ML	CW160808-10NJ	CW201212-6N8J	CW252016-22NKL	
	CM100505-2N2DL	CM160808-3N3DL	CM201212-47NKL	CM252016-47NKL	CM322522-R47ML	CM453232-R47ML	CW160808-12NJ	CW201212-8N2J	CW252016-33NKL	
	CM100505-2N7DL	CM160808-3N9JL	CM201212-68NKL	CM252016-68NKL	CM322522-R68ML	CM453232-R68ML	CW160808-15NJ	CW201212-10NJ	CW252016-47NKL	
	CM100505-3N3DL	CM160808-4N7JL	CM201212-R10KL	CM252016-R10KL	CM322522-R10KL	CM453232-R10KL	CW160808-18NJ	CW201212-15NJ	CW252016-68NKL	
	CM100505-3N9DL	CM160808-5N6JL	CM201212-R15KL	CM252016-R15KL	CM322522-R15KL	CM453232-R15KL	CW160808-22NJ	CW201212-22NJ	CW252016-R10J	
	CM100505-4N7DL	CM160808-6N8JL	CM201212-R22KL	CM252016-R22ML	CM322522-2R2KL	CM453232-2R2KL	CW160808-27NJ	CW201212-33NJ	CW252016-R15J	
	CM100505-5N6DL	CM160808-8N2JL	CM201212-R33KL	CM252016-R33ML	CM322522-3R3KL	CM453232-3R3KL	CW160808-33NJ	CW201212-47NJ	CW252016-R22J	
	CM100505-6N8DL	CM160808-10NJL	CM201212-R47KL	CM252016-R47ML	CM322522-4R7KL	CM453232-4R7KL	CW160808-39NJ	CW201212-68NJ	CW252016-R33J	
	CM100505-8N2DL	CM160808-12NJL	CM201212-R68KL	CM252016-R68ML	CM322522-6R8KL	CM453232-6R8KL	CW160808-47NJ	CW201212-R10J	CW252016-R47J	
	CM100505-10NJL	CM160808-15NJL	CM201212-1R0KL	CM252016-1R0KL	CM322522-100KL	CM453232-100KL	CW160808-56NJ	CW201212-R15J	CW252016-R68J	
	CM100505-15NJL	CM160808-22NJL		CM252016-1R5KL	CM322522-150KL	CM453232-150KL	CW160808-68NJ	CW201212-R22J	CW252016-R10J	
	CM100505-22NJL	CM160808-33NJL		CM252016-2R2KL	CM322522-220KL	CM453232-220KL	CW160808-82NJ	CW201212-R33J	CW252016-1R5J	
	CM100505-33NJL	CM160808-47NJL		CM252016-3R3KL	CM322522-330KL	CM453232-330KL	CW160808-R10J	CW201212-R47J	CW252016-2R2J	
	CM100505-39NJL	CM160808-68NJL		CM252016-4R7KL	CM322522-470KL	CM453232-470KL	CW160808-R15NJ	CW201212-R68J	CW252016-3R3J	
	CM100505-47NJL	CM160808-R10JL		CM252016-6R8KL	CM322522-680KL	CM453232-680KL	CW160808-R22J	CW201212-R91J	CW252016-4R7J	
				CM252016-100KL	CM322522-101KL	CM453232-101KL				
				CM252016-150KL	CM322522-151KL	CM453232-151KL				
			CM252016-220KL	CM322522-221KL	CM453232-221KL					
			CM252016-330KL		CM453232-331KL					
			CM252016-470KL		CM453232-471KL					
			CM252016-680KL		CM453232-681KL					
			CM252016-101KL		CM453232-102KL					
<b>Quantity</b>	40 of each in every kit	40 of each in every kit	30 of each in every kit	20 of each in every kit	10 of each in every kit	10 of each in every kit	30 of each in every kit	40 of each in every kit	20 of each in every kit	<b>Quantity</b>

## Power Inductors

Kit Number	 SRP12-LAB1	 SRR12-LAB1	 SRU10-LAB1	 SRU20-LAB1	 SRU30-LAB1	 SRU50-LAB1	 SRU60-LAB1	Kit Number
<b>Part Numbers Included</b>	SRP1235-R10M	SRR1240-4R7M	SRU1028-1R0Y	SRU2009-1R0Y	SRU3011-1R5Y	SRU5011-2R5Y	SRU6011-1R4Y	<b>Part Numbers Included</b>
	SRP1235-R22M	SRR1240-100M	SRU1028-2R2Y	SRU2009-2R2Y	SRU3011-2R2Y	SRU5011-4R7Y	SRU6011-4R7Y	
	SRP1235-R47M	SRR1240-470M	SRU1028-4R7Y	SRU2009-3R3Y	SRU3011-3R3Y	SRU5011-100Y	SRU6011-100Y	
	SRP1235-1R0M	SRR1240-101M	SRU1028-100Y	SRU2009-4R4Y	SRU3011-4R7Y	SRU5011-220Y	SRU6011-220Y	
	SRP1235-2R2M	SRR1240-471K	SRU1028-470Y	SRU2009-100Y	SRU3011-6R8Y	SRU5011-470Y	SRU6011-470Y	
	SRP1235-4R7M	SRR1240-102K	SRU1028-101Y	SRU2009-220Y	SRU3011-100Y	SRU5011-101Y	SRU6011-680Y	
	SRP1250-R47M	SRR1260-1R0Y	SRU1038-1R5Y	SRU2013-1R0Y	SRU3017-2R2Y	SRU5018-1R0Y	SRU6018-1R2Y	
	SRP1250-1R0M	SRR1260-4R7Y	SRU1038-5R0Y	SRU2013-3R3Y	SRU3017-3R3Y	SRU5018-2R2Y	SRU6018-3R3Y	
	SRP1250-1R5M	SRR1260-100M	SRU1038-100Y	SRU2013-6R8Y	SRU3017-4R7Y	SRU5018-4R7Y	SRU6018-100Y	
	SRP1250-2R2M	SRR1260-220M	SRU1038-470Y	SRU2013-100Y	SRU3017-100Y	SRU5018-100Y	SRU6018-220Y	
	SRP1250-4R7M	SRR1260-470M	SRU1038-101Y	SRU2013-220Y	SRU3017-220Y	SRU5018-330Y	SRU6018-470Y	
	SRP1250-100M	SRR1260-101M	SRU1038-221Y	SRU2013-470Y	SRU3017-470Y	SRU5018-101Y	SRU6018-101Y	
	SRP1270-R47M	SRR1280-3R3Y	SRU1048-R80Y	SRU2016-1R0Y	SRU3028-100Y	SRU5028-2R2Y	SRU6025-4R7Y	
	SRP1270-1R0M	SRR1280-100M	SRU1048-3R0Y	SRU2016-4R7Y	SRU3028-220Y	SRU5028-4R7Y	SRU6025-100Y	
	SRP1270-2R2M	SRR1280-330M	SRU1048-100Y	SRU2016-100Y	SRU3028-330Y	SRU5028-100Y	SRU6025-220Y	
	SRP1270-4R7M	SRR1280-680M	SRU1048-330Y	SRU2016-220Y	SRU3028-470Y	SRU5028-220Y	SRU6025-470Y	
	SRP1270-6R8M	SRR1280-101M	SRU1048-680Y	SRU2016-470Y	SRU3028-680Y	SRU5028-470Y	SRU6025-101Y	
	SRP1270-100M	SRR1280-471K	SRU1048-151Y	SRU2016-101Y	SRU3028-101Y	SRU5028-101Y	SRU6025-221Y	
<b>Quantity</b>	2 of each in every kit	2 of each in every kit	3 of each in every kit	3 of each in every kit	3 of each in every kit	3 of each in every kit	3 of each in every kit	<b>Quantity</b>



### Worldwide Sales Offices

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Ireland/UK:	+41 (0)41 768 5555	+41 (0)41 768 5510
Italy:	+41 (0)41 768 5555	+41 (0)41 768 5510
Japan:	+81 49 269 3204	+81 49 269 3297
Singapore:	+65 6348 7227	+65 6348 1272
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Taiwan:	+886 2 25624117	+886 2 25624116
USA:	+1-951-781-5500	+1-951-781-5006

### Non-Listed European

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