Bourns® Surface Mount Power Inductors and Common Mode Chokes

Product Selection Guide - 2010

BOURNS®

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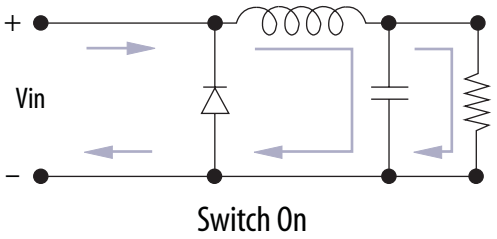
Inductors - Typical Applications

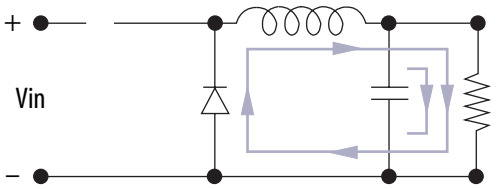
Energy Storage

An inductor stores energy in the form of magnetic flux.



Switch On

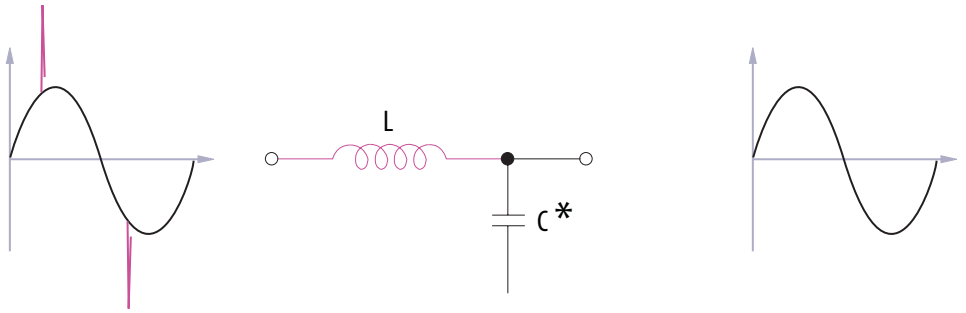
Current through an inductor is transformed to produce magnetic fields. Inductor is charged when the circuit is on.



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=jwL+R) to suppress electromagnetic interference (EMI). The reactance jwL 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

STANDARD MG, MU, MZ Series

Size: 0402 to 1206
Impedance: 30 to 2200 Ω
Current: 50 to 900 mA

HIGH CURRENT MH Series

Size: 0603 to 1812
Impedance: 7 to 125 Ω
Current: 1 to 6 A

HIGH SPEED MT Series

Size: 0603 to 1812
Impedance: 5 to 150 Ω
Current: 300 to 600 mA

ARRAY MA Series

Size: 0603
Circuits: 4
Impedance: 50 to 1000 Ω
Current: 50 to 200 mA

Chip Inductors

Multilayer

Ferrite

CS, CV Series

Size: 0603 to 1206
Inductance: 0.047 to 33 µH
Current: 5 to 300 mA

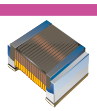
Ceramic

CE, CI Series

Size: 0402 to 0805
Inductance: 1.5 to 470 nH
Current: 5 to 300 mA

Wirewound

CW Series



Size: 0603 to 1008
Inductance: 1.8 nH to 10 µH
Current: 170 to 700 mA

CC, CM, CMH Series

Size: 0402 to 1812
Inductance: 0.001 to 1000 µH
Current: 30 to 1050 mA

Through-Hole Inductors

Standard

Axial Series

No. of Series Available: 15
Diameter: 2.4 to 16 mm
Length: 6.4 to 22 mm
Inductance: 0.1 to 500K µH
Current: 0.01 to 4 A

Radial Series

No. of Series Available: 23
Diameter: 6 to 13 mm
Height: 5.5 to 15.5 mm
Inductance: 1 to 82K µH
Current: 0.01 to 10 A

High Current

Axial Series

No. of Series Available: 4
Diameter: 7 to 15 mm
Length: 18 to 32 mm
Inductance: 3.3 to 100K µH
Current: 0.08 to 20 A

Radial Series

No. of Series Available: 9
Diameter: 15 to 41 mm
Height/Length: 20 to 41 mm
Inductance: 1 to 15K µH
Current: 0.7 to 27 A

Toroid Series

No. of Series Available: 13
Diameter: 14 to 54 mm
Thickness: 5 to 16.5 mm
Inductance: 0.3 to 8K µH
Current: 1 to 38 A

Common Mode Series

No. of Series Available: 5
Length: 15 to 43 mm
Width: 12 to 23 mm
Height: 15 to 31 mm
Inductance: 0.6 to 50 mH
Current: 1 to 20 A

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.

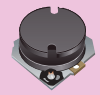
Bourns® Power Inductors - SDR Series

• 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)
Irms / DCR	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		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

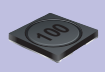
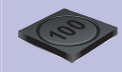
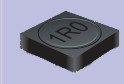
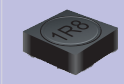
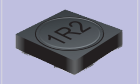
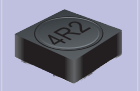
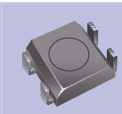
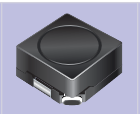
Model	SDR0703	SDR6603	SDR1005	PM3308	PM3340	SDR1806	SDR2207	Model
JW Miller Equivalent		PM1608	PM3316			PM5022	PM5022H	JW Miller Equivalent
Shape	rectangular	oval	oval	oval	oval	oval	oval	Shape
Size (mm)	6.5 x 4.5 x 2.7	6.6 x 4.45 x 2.9	12.7 x 10 x 5	13.0 x 9.5 x 3	13.0 x 10.2 x 11.5	18.3 x 14 x 6.6	22 x 15 x 7	Size (mm)
Irms / DCR	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							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	060 / 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

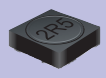
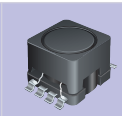
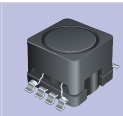
• RoHS Compliant* • Shielded • SMD

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	 SRR0604	 SRR7032	 SRR7045	 SRR1210	 SRR0906	 SRR0908	Model
JW Miller Equivalent	PM628S	PM638S		PM7032S	PM74SH				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)

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Bourns® Power Inductors - SRR, PM Series

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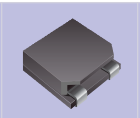
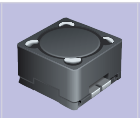
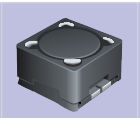
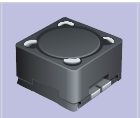
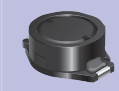


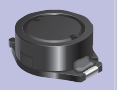
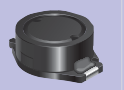
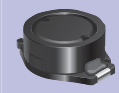
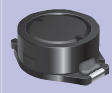
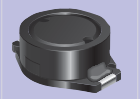
Model	SRR1240	SRR1305	SRR1260	SRR1280	SRR1205	SRR1206	SRR1208	SRR6603	Model
JW Miller Equivalent	PM124SH		PM125SH	PM127SH				PM1608S	JW Miller Equivalent
Shape	square	square	square	square	square	square	square	oval	Shape
Size (mm)	12.5 x 4.0	12.5 x 5.0	12.5 x 6.0	12.5 x 7.5	12.7 x 5.5	12.7 x 6.5	12.7 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

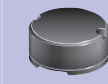
Inductance (µH)

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

Bourns® Power Inductors - SRR, PM Series

• RoHS Compliant* • Shielded • SMD

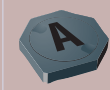
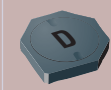
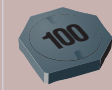
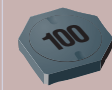


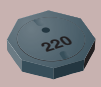
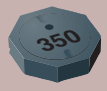
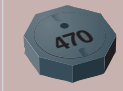
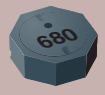
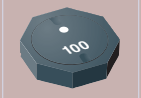
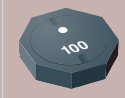
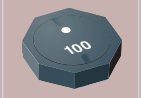
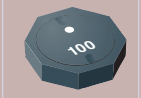

Model	SRR0804	SRR0805	SRR1003	SRR1005	SRR1806	PM74SB	SRR0905	PM125S	Model
JW Miller Equivalent				PM3316S	PM5022S		PM105SB		JW Miller Equivalent
Shape	oval	oval	oval	oval	oval	round	round	round	Shape
Size (mm)	10 x 8.0 x 3.8	10 x 8.0 x 4.7	12.7 x 10 x 3.0	12.7 x 10 x 5.0	18 x 14 x 6.8	7.8 x 4.5	9.9 x 4.5	12.6 x 5.4	Size (mm)
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				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

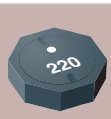
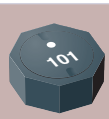
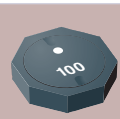
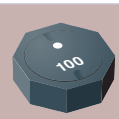
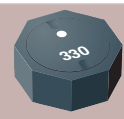
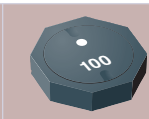
Model	 SRU2009	 SRU2011	 SRU2013	 SRU2016	 SRU3009	 SRU3011	 SRU3014	 SRU3017	 SRU3028	Model
Shape	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	Shape
Size (mm)	2.8 x 0.9	2.8 x 1.1	2.8 x 1.3	2.8 x 1.6	3.3 x 0.9	3.3 x 1.2	3.3 x 1.4	3.3 x 1.8	3.3 x 2.8	Size (mm)
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

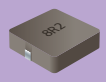
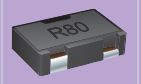
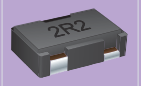
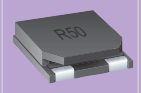
• RoHS Compliant* • Shielded • SMD

Model	 SRU8028	 SRU8043	 SRU1028	 SRU1038	 SRU1048	 SRU1063	Model
JW Miller Equivalent				PM104SH			JW Miller Equivalent
Shape	octagonal	octagonal	octagonal	octagonal	octagonal	octagonal	Shape
Size (mm)	8 x 2.8	8 x 4.3	10 x 2.8	10 x 3.8	10 x 4.8	10 x 6.5	Size (mm)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/DCR
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

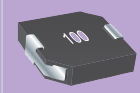
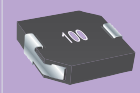
• RoHS Compliant* • Shielded • SMD

Model									Model
	SRP4020	SRP7030	SRP7030F	SRP8040	SRP1040	SRP1045	SRP1055	SRP1204	
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.

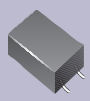
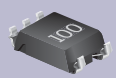
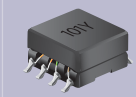
Bourns® High Current Power Inductors - SRP, PM Series

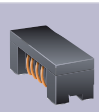
• RoHS Compliant* • Shielded • SMD

Model	 SRP1205	 SRP1206	 SRP1235	 SRP1250	 SRP1270	 PM2110	 PM2120	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)
Irms/DCR	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Irms/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

Model	 DR221	 DR331	 SRF0504	 SRF0602	 SRF0905	 SRF1006	 SRF1306	Model
Shape	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	Shape
Core	toroidal	toroidal	ferrite	toroidal	toroidal	toroidal	toroidal	Core
Size (mm)	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	Size (mm)
Irms/DCR	mA / Ω	mA / Ω	mA / Ω	mA / Ω	mA / Ω	mA / Ω	mA / Ω	Irms/DCR
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)								

Model	 SRF2012	 SRF3216	Model
Shape	rectangular	rectangular	Shape
Core	ferrite	ferrite	Core
Size (mm)	2.0 x 1.25 x 1.25	3.2 x 1.6 x 1.9	Size (mm)
Irms/DCR	mA / Ω	mA / Ω	Irms/DCR
30 Ω	450 / 0.20		30 Ω
67 Ω	400 / 0.25		67 Ω
90 Ω	385 / 0.35	370 / 0.30	90 Ω
120 Ω	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	 MHBEAD-LAB1	 MTBEAD-LAB1	 MUBEAD-LAB1	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	 CI100505-LAB1	 CI160808-LAB1	 CE201210-LAB1	 CS160808-LAB1	 CV201210-LAB1	 CS321613-LAB1	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
Part Numbers Included	CM100505-1N0DL	CM160808-1N5DL	CM201212-10NKL	CM252016-10NKL	CM322522-R10ML	CM453232-R10ML	CW160808-4N7K	CW201212-2N2J	CW252016-10NK	Part Numbers Included
	CM100505-1N2DL	CM160808-1N8DL	CM201212-15NKL	CM252016-15NKL	CM322522-R15ML	CM453232-R15ML	CW160808-6N8J	CW201212-3N3J	CW252016-12NK	
	CM100505-1N5DL	CM160808-2N2DL	CM201212-22NKL	CM252016-22NKL	CM322522-R22ML	CM453232-R22ML	CW160808-8N2J	CW201212-4N7J	CW252016-15NK	
	CM100505-1N8DL	CM160808-2N7DL	CM201212-33NKL	CM252016-33NKL	CM322522-R33ML	CM453232-R33ML	CW160808-10NJ	CW201212-6N8J	CW252016-22NK	
	CM100505-2N2DL	CM160808-3N3DL	CM201212-47NKL	CM252016-47NKL	CM322522-R47ML	CM453232-R47ML	CW160808-12NJ	CW201212-8N2J	CW252016-33NK	
	CM100505-2N7DL	CM160808-3N9JL	CM201212-68NKL	CM252016-68NKL	CM322522-R68ML	CM453232-R68ML	CW160808-15NJ	CW201212-10NJ	CW252016-47NK	
	CM100505-3N3DL	CM160808-4N7JL	CM201212-R10KL	CM252016-R10KL	CM322522-1R0KL	CM453232-1R0KL	CW160808-18NJ	CW201212-15NJ	CW252016-68NJ	
	CM100505-3N9DL	CM160808-5N6JL	CM201212-R15KL	CM252016-R15KL	CM322522-1R5KL	CM453232-1R5KL	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	CW252016-1R0J	
	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				
Quantity	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	Quantity

Power Inductors

Kit Number	 SRP12-LAB1	 SRR12-LAB1	 SRU10-LAB1	 SRU20-LAB1	 SRU30-LAB1	 SRU50-LAB1	 SRU60-LAB1	Kit Number
Part Numbers Included	SRP1235- R10M	SRR1240-4R7M	SRU1028-1R0Y	SRU2009-1R0Y	SRU3011-1R5Y	SRU5011-2R5Y	SRU6011-1R4Y	Part Numbers Included
	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	
Quantity	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	Quantity

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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
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Taiwan:	+886 2 25624117	+886 2 25624116
USA:	+1-951-781-5500	+1-951-781-5006

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Specifications subject to change without notice. Actual performance in specific customer applications may differ due to the influence of other variables. Customers should verify actual device performance in their specific applications.

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