

Bourns® Power Inductors - SRP Series

• High Current • RoHS Compliant • Shielded • SMD

Current I _{rms} and DCR																
Model	SRP7030	SRP7050	SRP8040	SRP1050	SRP1040	SRP1045	SRP1055	SRP1204	SRP1205	SRP1206	SRP1235	SRP1250	SRP1255	SRP1270	SRP1280	Model
Shape	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	square	square	square	rectangular	rectangular	rectangular	square	rectangular	Shape
Size (mm)	7.6 x 6.8 x 3(4)	7.2 x 6.8 x 5.0	7.6 x 6.1 x 4.2	10.2 x 6.8 x 5	11.8 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	12.5 x 5.0	12.5 x 5.7	14 x 12.7 x 3.5	14 x 12.7 x 5	14 x 13 x 5.3	13.7 x 7.0	13.5 x 13 x 8	Size (mm)
Units	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	A / mΩ	Units
0.1 μH		30 / 0.5	35 / 0.5	40 / 0.65							43 / 1.0					0.1 μH
0.15 μH		24 / 0.5		40 / 0.65							11 / 1.2				50 / 0.6	0.15 μH
0.2 μH		19 / 0.5	25 / 0.5	30 / 0.65	32 / 1.0						39 / 1.3				45 / 0.6	0.2 μH
0.26 μH															40 / 0.6	0.26 μH
0.35 μH						23 / 1.3	28 / 1.3		18 / 0.8		36 / 1.5	41 / 1.1			40 / 0.6	0.35 μH
0.36 μH					28 / 1.4											0.36 μH
0.47 μH					26 / 1.6						32 / 2.0	38 / 1.3			28 / 0.6	0.47 μH
0.5 μH								13 / 3.0		30 / 2.3		37 / 1.5				0.5 μH
0.56 μH					25 / 1.9											0.56 μH
0.6 μH									16 / 1.5	28 / 2.3	29 / 2.5	36 / 1.5				0.6 μH
0.68 μH					23 / 2.4									35 / 1.6		0.68 μH
0.7 μH											28 / 2.5	34 / 1.7	30 / 1.5			0.7 μH
0.8 μH					21 / 3.0	15 / 3.0	20 / 1.9		26 / 3.2	25 / 3.0	24 / 3.5	29 / 2.5	26 / 2.0	32 / 2.1		0.8 μH
1.0 μH					20 / 3.5			12 / 4.5	14 / 2.5		24 / 3.5	29 / 2.5	26 / 2.0	32 / 2.1		1.0 μH
1.2 μH										22 / 3.6			23 / 2.6			1.2 μH
1.5 μH					12 / 7.5	13 / 3.4	16 / 2.4				19 / 5.5	23 / 4.1		27 / 2.6		1.5 μH
1.8 μH								10 / 6.0	13 / 2.5		17 / 7.0					1.8 μH
2.2 μH	8.0 / 20				12 / 8.6	9.5 / 6.7	12 / 4.7			17 / 6.0	16 / 8.0		18 / 4.5	22 / 4.2		2.2 μH
2.5 μH										11.5 / 2.5						2.5 μH
3.0 μH										15 / 7.0						3.0 μH
3.3 μH	6.0 / 30				10 / 10	8.0 / 8.0	11 / 5.6		11 / 4.3		12 / 12		15 / 7.0	18 / 6.6		3.3 μH
3.5 μH																3.5 μH
3.9 μH										10.5 / 4.3						3.9 μH
4.7 μH	5.5 / 40				8.0 / 14		10 / 6.5				11 / 15		13 / 8.8	15 / 11.2		4.7 μH
5.6 μH					7.0 / 16		7.6 / 10.7			8.5 / 9.2	10 / 18			14 / 10		5.6 μH
6.2 μH																6.2 μH
6.8 μH	4.5 / 60										9 / 22			12 / 14		6.8 μH
7.2 μH							7.0 / 11.9		8.3 / 10.5							7.2 μH
8.2 μH	4.0 / 68				5.0 / 33							8.5 / 28		11 / 15.5		8.2 μH
8.8 μH							6.0 / 13.2									8.8 μH
10 μH	3.0 / 105				5.0 / 35							7.0 / 34		10 / 16.8		10 μH
15 μH					5.0 / 57											15 μH
22 μH					3.5 / 62											22 μH
33 μH					3.0 / 87											33 μH
47 μH					2.0 / 160											47 μH



SQUARE



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