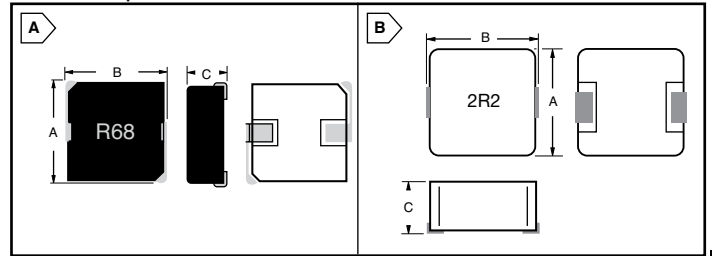


BOURNS SRP Series Shielded Power Inductors

RoHS Compliant This product is RoHS compliant.

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Reel Price Ea.
	A	B	C	1	100		
Fig. A							
SRP1040	10.5 (.413)	11.8 (.465)	4.2 (.165)	1.92	1.45	900	1.25
SRP1235	13.9 (.547)	13.9 (.547)	3.7 (.146)	1.63	1.22	600	1.21
SRP1250	13.5 (.531)	13.9 (.547)	5.9 (.232)	1.68	1.32	500	.72
SRP1270	13.7 (.539)	13.7 (.539)	7.0 (.276)	1.92	1.45	400	1.15
SRP7030	7.0 (.276)	7.8 (.307)	3.2 (.126)	1.30	.67	1000	.56
Fig. B							
SRP4020	4.0 (.157)	4.8 (.189)	2.0 (.079)	1.58	1.19	1000	.70
SRP7030F	6.5 (.039)	7.6 (.299)	3.2 (.126)	1.17	.94	1000	.70



Features:

- Lead Free
- RoHS Compliant

Specifications:

- Test Voltage: 0.25V (1.0V for SRP1270 Series)
- Test Frequency: 100KHz
- Reflow Soldering: 230°C; 50 sec. max.
- Operating Temperature: -55°C to 150°C (temperature rise included)
- Storage Temperature: -55°C to +150°C
- Resistance to Soldering Heat: +260°C for 10 sec.

Applications (Fig. A):

- Input/output for DC/DC converters
- Power Supplies for:
 - Portable communications equipment
 - Camcorders
 - LCD TVs
 - Car audio systems

Applications (Fig. B):

- DC/DC converters
- Power Supplies for:
 - Portable communications equipment
 - Laptop computers
 - Camcorders, HDTV, car audio systems
 - Video game consoles

SRP1040 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP1040-R15M	0.15	40	34	1.3
652-SRP1040-R20M	0.20	40	32	1.0
652-SRP1040-R36M	0.36	40	28	1.4
652-SRP1040-R39M	0.39	32	24	1.4
652-SRP1040-R47M	0.47	38	26	1.6
652-SRP1040-R50M	0.50	32	23	1.9
652-SRP1040-R68M	0.68	32	23	2.4
652-SRP1040-R75M	0.75	28	22	2.5
652-SRP1040-R80M	0.80	30	21	3.0
652-SRP1040-1R0M	1.0	28	20	3.5
652-SRP1040-1R2M	1.2	24	18	4.7
652-SRP1040-2R2M	2.2	17	12	8.6
652-SRP1040-2R5M	2.5	14	11.5	8.7
652-SRP1040-3R3M	3.3	14	10	10
652-SRP1040-4R7M	4.7	13	8.0	14
652-SRP1040-5R6M	5.6	12	7.0	16
652-SRP1040-6R8M	6.8	11	6.5	24
652-SRP1040-8R2M	8.2	8.0	5.0	33
652-SRP1040-100M	10	9.0	5.0	35
652-SRP1040-150M	15	7.0	5.0	57
652-SRP1040-220M	22	6.0	3.5	62
652-SRP1040-330M	33	5.0	3.0	87
652-SRP1040-470M	47	3.0	2.0	160

SRP1270 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP1270-R68M	0.68	60	35	1.6
652-SRP1270-1R0M	1.00	50	32	2.1
652-SRP1270-1R5M	1.50	48	27	2.6
652-SRP1270-2R2M	2.20	40	22	4.2
652-SRP1270-3R3M	3.30	35	18	6.6
652-SRP1270-4R7M	4.70	30	15	11.2
652-SRP1270-5R6M	5.60	26.5	14	10
652-SRP1270-6R8M	6.80	21	12	14
652-SRP1270-8R2M	8.20	17	11	15.5
652-SRP1270-100M	10.00	16	10	16.8

SRP4020 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP4020-R22M	0.22	10	15	100
652-SRP4020-R36M	0.36	9	11	100
652-SRP4020-R47M	0.47	8	9	100
652-SRP4020-R56M	0.56	7	8	100
652-SRP4020-R68M	0.68	6.3	7	100
652-SRP4020-R88M	0.88	5.5	6.5	100
652-SRP4020-1R0M	1.00	5	6	100
652-SRP4020-1R2M	1.20	5	5	100
652-SRP4020-1R5M	1.50	4.5	4.5	100
652-SRP4020-2R2M	2.20	4.5	4	100

SRP1235 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP1235-R10M	0.10	56	43.0	0.96
652-SRP1235-R15M	0.15	50	41.0	1.2
652-SRP1235-R22M	0.22	50	38.5	1.3
652-SRP1235-R33M	0.33	50	36.5	1.5
652-SRP1235-R47M	0.47	44	32.0	2.0
652-SRP1235-R60M	0.60	42	29.0	2.5
652-SRP1235-R68M	0.68	40	28.0	2.5
652-SRP1235-R82M	0.82	38	25.0	3.0
652-SRP1235-1R0M	1.00	36	24.0	3.5
652-SRP1235-1R5M	1.50	28	19.0	5.5
652-SRP1235-1R8M	1.80	24	16.5	7.0
652-SRP1235-3R3M	3.30	18	12.0	12
652-SRP1235-4R7M	4.70	16	10.0	15
652-SRP1235-5R6M	5.60	14	10.0	18
652-SRP1235-6R8M	6.80	13	9.0	22

SRP7030 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP7030-R10M	0.10	42	32.5	1.7
652-SRP7030-R15M	0.15	38	26	2.5
652-SRP7030-R20M	0.20	36	24	3.0
652-SRP7030-R22M	0.22	36	23	2.8
652-SRP7030-R33M	0.33	30	20	3.9
652-SRP7030-R47M	0.47	26	17.5	4.2
652-SRP7030-R68M	0.68	23	15.5	5.5
652-SRP7030-R82M	0.82	20	13.0	8.0
652-SRP7030-1R5M	1.5	14	9.0	15
652-SRP7030-2R2M	2.2	12	8.0	20
652-SRP7030-3R3M	3.3	10	6.0	30
652-SRP7030-4R7M	4.7	6.5	5.5	40
652-SRP7030-6R8M	6.8	6	4.5	60
652-SRP7030-8R2M	8.2	5.5	4.0	68
652-SRP7030-100M	10	4.5	3.0	85

SRP7030F Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP7030-R10FM	0.10	60	32	100
652-SRP7030-R15FM	0.15	37	28	100
652-SRP7030-R20FM	0.20	34	23	100
652-SRP7030-R22FM	0.22	34	23	100
652-SRP7030-R33FM	0.33	25	18	100
652-SRP7030-R47FM	0.47	19	17	100
652-SRP7030-R56FM	0.56	17	15	100
652-SRP7030-R68FM	0.68	17	15	100
652-SRP7030-R82FM	0.82	14	12	100
652-SRP7030-1R0FM	1.00	13	11	100
652-SRP7030-1R1FM	1.10	13	11	100
652-SRP7030-1R5FM	1.50	12	10	100
652-SRP7030-2R2FM	2.20	11	7	100
652-SRP7030-3R3FM	3.30	10	7	100
652-SRP7030-4R7FM	4.70	7	5	100
652-SRP7030-5R6FM	5.60	6	5	100
652-SRP7030-6R8FM	6.80	5.5	4.5	100
652-SRP7030-8R2FM	8.20	5	4.5	100
652-SRP7030-100FM	10.00	5	3.5	100

SRP1250 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mOhms) max.
652-SRP1250-R22M	0.22	80	45	1
652-SRP1250-R36M	0.36	75	41	1.1
652-SRP1250-R47M	0.47	65	38	1.3
652-SRP1250-R50M	0.50	55	36	1.5
652-SRP1250-R56M	0.56	55	36	1.5
652-SRP1250-R68M	0.68	54	34	1.7
652-SRP1250-1R0M	1.00	50	29	2.5
652-SRP1250-1R2M	1.20	49	27	3.3
652-SRP1250-1R5M	1.50	48	23	4.1
652-SRP1250-1R8M	1.80	40	21	4.7
652-SRP1250-2R2M	2.20	32	20	5.5
652-SRP1250-2R7M	2.70	32	17	7.3
652-SRP1250-3R3M	3.30	32	15	9.2
652-SRP1250-6R0M	6.00	14	9.5	10
652-SRP1250-6R8M	6.80	21	11	18.5
652-SRP1250-7R8M	7.80	18	10	18