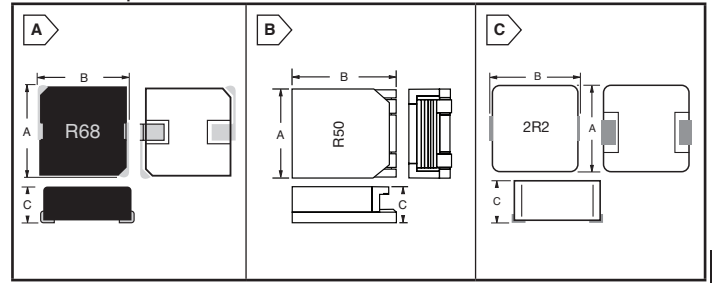


# BOURNS SRP Series Shielded Power Inductors

RoHS Compliant This product is RoHS compliant.

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	A	B	C	1	100		
<b>Fig. A</b>							
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
<b>Fig. B</b>							
SRP1204	12.5 (.492)	12.5 (.492)	4.0 (.157)	3.00	2.25	800	1.05
<b>Fig. C</b>							
SRP4012	4.0 (.157)	4.7 (.185)	1.2 (.047)	1.01	.64	2000	.518
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



## SRP SERIES SHIELDED POWER INDUCTORS

**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 and B):**

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

**Applications (Fig. C):**

- 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 (mΩ) 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

### SRP1204 Series

652-SRP1204-1R8M	0.75	14	13	3
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### SRP1235 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mΩ) max.
652-SRP1235-R10M	0.10	56	43.0	0.96
652-SRP1235-R15M	0.15	50	41.0	1.2
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-SRP1250-4R7M	4.70	27	12.0	15
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
652-SRP1250-100M	10.00	9	16.0	25.5

### SRP1250 Series

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

### SRP1270 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mΩ) 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

### SRP4012 Series

652-SRP4012-R22M	0.22	10	9	9.3
652-SRP4012-R47M	0.47	9	6.5	20
652-SRP4012-R56M	0.56	8	5.5	25
652-SRP4012-1R0M	1.0	6.3	4.8	33.6
652-SRP4012-1R2M	1.2	6	3	45
652-SRP4012-1R5M	1.5	5.5	3	50

### SRP4020 Series

652-SRP4020-R22M	0.22	10	15	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

### SRP7030 Series

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

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