

# BOURNS SRR Series Shielded SMD Power Inductors

**Features:**

- Lead free
- RoHS compliant

**Specifications:**

- Test Voltage: 1 Volt
- Reflow Soldering: 230°C, 50 sec. max.
- Operating/Storage Temperature: -40°C to +125°C
- Resistance to solder heat: 260°C for 10 sec.



This product is RoHS compliant.

**Applications:**

- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs
  - Car radios

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Reel Price Ea.
	A	B	C	1	100		
SRR1280	12.5 (.492)	12.5 (.492)	7.5 (.295)			400	
SRR1806	18.3 (.720)	14.0 (.551)	6.8 (.268)			250	
SRR4018	4.8 (.189)	4.8 (.189)	1.8 (.071)			800	
SRR4028	4.8 (.189)	4.8 (.189)	2.8 (.110)			500	
SRR5018	5.8 (.228)	5.8 (.228)	1.8 (.071)			500	
SRR5028	5.8 (.228)	5.8 (.228)	2.8 (.110)			400	

**SRR1280 Series**

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR1280-1R1Y	A	1.1	26	7.96	85
652-SRR1280-1R4Y	A	1.4	24	7.96	80
652-SRR1280-2R4Y	A	2.4	20	7.96	45
652-SRR1280-3R3Y	A	3.3	20	7.96	40
652-SRR1280-4R5Y	A	4.5	20	7.96	34
652-SRR1280-4R7Y	A	4.7	22	7.96	30
652-SRR1280-100M	A	10	24	2.52	17
652-SRR1280-120M	A	12	26	2.52	15
652-SRR1280-180M	A	18	24	2.52	12
652-SRR1280-220M	A	22	20	2.52	11
652-SRR1280-270M	A	27	26	2.52	10
652-SRR1280-390M	A	39	24	2.52	8.5
652-SRR1280-470M	A	47	24	2.52	7.5
652-SRR1280-680M	A	68	20	2.52	6.5
652-SRR1280-820M	A	82	20	0.796	5.0
652-SRR1280-121K	A	120	16	0.796	4.3
652-SRR1280-151K	A	150	24	0.796	4.1
652-SRR1280-181K	A	180	24	0.796	4.0
652-SRR1280-221K	A	220	24	0.796	3.4
652-SRR1280-271K	A	270	20	0.796	3.1
652-SRR1280-331K	A	330	18	0.796	2.9
652-SRR1280-391K	A	390	20	0.796	2.7
652-SRR1280-471K	A	470	20	0.796	2.2
652-SRR1280-681K	A	680	26	0.796	1.7
652-SRR1280-821K	A	820	20	0.796	1.4
652-SRR1280-102K	A	1000	40	0.252	1.3

**SRR4028 Series**

- Test Voltage: 0.1 Volt, 100 KHz

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR4028-1R2Y	C	1.2	9.34	7.96	176
652-SRR4028-2R7Y	C	2.7	8.64	7.96	92
652-SRR4028-3R3Y	C	3.3	7.72	7.96	76
652-SRR4028-3R9Y	C	3.9	8.58	7.96	56
652-SRR4028-4R7Y	C	4.7	8.12	7.96	55
652-SRR4028-5R6Y	C	5.6	9.56	7.96	69
652-SRR4028-6R8Y	C	6.8	9.62	7.96	77
652-SRR4028-8R2Y	C	8.2	8.24	7.96	45
652-SRR4028-100Y	C	10	11.26	2.52	34
652-SRR4028-150Y	C	15	9.66	2.52	27
652-SRR4028-220Y	C	22	8.26	2.52	23
652-SRR4028-270Y	C	27	10.76	2.52	18
652-SRR4028-330Y	C	33	9.70	2.52	16
652-SRR4028-390Y	C	39	9.74	2.52	14
652-SRR4028-470Y	C	47	10.88	2.52	13
652-SRR4028-680Y	C	68	8.42	2.52	11
652-SRR4028-820Y	C	82	8.60	2.52	8
652-SRR4028-101Y	C	100	8.78	0.796	9
652-SRR4028-151Y	C	150	11.72	0.796	6
652-SRR4028-221Y	C	220	11.30	0.796	5
652-SRR4028-271Y	C	270	17.46	0.796	5
652-SRR4028-331Y	C	330	16.48	0.796	5
652-SRR4028-391Y	C	390	13.18	0.796	4
652-SRR4028-471Y	C	470	13.26	0.796	3

**SRR5018 Series**

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR5018-1R2Y	C	1.2	9.2	7.96	118
652-SRR5018-3R0Y	C	3.0	8.3	7.96	79
652-SRR5018-3R9Y	C	3.9	8	7.96	64
652-SRR5018-6R2Y	C	6.2	7.5	7.96	51
652-SRR5018-7R5Y	C	7.5	7.9	7.96	42
652-SRR5018-8R9Y	C	8.9	7.3	7.96	40
652-SRR5018-100Y	C	10	11	2.52	41
652-SRR5018-150Y	C	15	12.7	2.52	32
652-SRR5018-180Y	C	18	8.8	2.52	29
652-SRR5018-220Y	C	22	14.7	2.52	22
652-SRR5018-270Y	C	27	10.2	2.52	21
652-SRR5018-330Y	C	33	10.9	2.52	20
652-SRR5018-390Y	C	39	10.6	2.52	17
652-SRR5018-470Y	C	47	8.9	2.52	14
652-SRR5018-560Y	C	56	8.9	2.52	13
652-SRR5018-680Y	C	68	9.9	2.52	12
652-SRR5018-820Y	C	82	9.1	2.52	11
652-SRR5018-101Y	C	100	13.1	0.796	10
652-SRR5018-151Y	C	150	11.8	0.796	11
652-SRR5018-181Y	C	180	13.6	0.796	10
652-SRR5018-221Y	C	220	8.7	0.796	8

**SRR1806 Series**

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR1806-100M	B	10	56	2.52	19.0
652-SRR1806-150M	B	15	53	2.52	17.5
652-SRR1806-220M	B	22	51	2.52	16.0
652-SRR1806-470M	B	47	40	2.52	8.0
652-SRR1806-680M	B	68	37	2.52	6.0
652-SRR1806-151M	B	150	39	0.796	4.3
652-SRR1806-221M	B	220	29	0.796	3.5
652-SRR1806-331M	B	330	30	0.796	3.0
652-SRR1806-471M	B	470	27	0.796	2.4

**SRR4018 Series**

- Test Voltage: 0.1V, 100KHz

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR4018-1R0Y	C	1.0	9	7.960	219
652-SRR4018-3R3Y	C	3.3	8	7.960	61
652-SRR4018-4R7Y	C	4.7	8	7.960	55
652-SRR4018-6R8Y	C	6.8	8	7.960	49
652-SRR4018-8R2Y	C	8.2	7	7.960	40
652-SRR4018-100Y	C	10	10	2.520	38
652-SRR4018-150Y	C	15	8	2.520	30
652-SRR4018-220Y	C	22	7	2.520	29
652-SRR4018-270Y	C	27	7	2.520	23
652-SRR4018-330Y	C	33	7	2.520	21
652-SRR4018-390Y	C	39	8	2.520	19
652-SRR4018-470Y	C	47	8	2.520	20
652-SRR4018-680Y	C	68	7	2.520	13
652-SRR4018-101Y	C	100	10	0.796	12
652-SRR4018-151Y	C	150	14	0.796	10
652-SRR4018-181Y	C	180	10	0.796	10

**SRR5028 Series**

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR5028-3R0Y	C	3.0	7	7.96	65
652-SRR5028-4R2Y	C	4.2	7	7.96	51
652-SRR5028-6R2Y	C	6.2	7	7.96	39
652-SRR5028-8R2Y	C	8.2	7	7.96	34
652-SRR5028-100Y	C	10	9	2.52	30
652-SRR5028-150Y	C	15	9	2.52	22
652-SRR5028-180Y	C	18	10	2.52	20
652-SRR5028-220Y	C	22	7	2.52	20
652-SRR5028-270Y	C	27	10	2.52	17
652-SRR5028-330Y	C	33	11	2.52	13
652-SRR5028-390Y	C	39	8	2.52	13
652-SRR5028-470Y	C	47	7	2.52	13
652-SRR5028-560Y	C	56	9	2.52	12
652-SRR5028-680Y	C	68	8	2.52	11
652-SRR5028-820Y	C	82	8	2.52	9.0
652-SRR5028-101Y	C	100	8	0.796	8.0
652-SRR5028-151Y	C	150	7	0.796	7.5
652-SRR5028-221Y	C	220	7	0.796	6.5
652-SRR5028-331Y	C	330	8	0.796	5.0
652-SRR5028-471Y	C	470	12	0.796	5.0
652-SRR5028-561Y	C	560	12	0.796	4.0
652-SRR5028-681Y	C	680	11	0.796	3.0

