BOURNS SRR Series Shielded SMD Power Inductors

BOURNS®

Features:
- High current
- RoHS compliant

Specifications:
- Test Voltage: 1V
- Reflow Soldering: 230°C, 50 sec. max.
- Operating/Storage Temp.: -40°C to +125°C
- Resistance to solder heat: 260°C, 5 sec.

RoHS Compliant **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		
SRR0604	6.5(.256)	6.5(.256)	4.8(.189)			1000	
SRR0905	9.9(.390)	2.9(.114)	4.5(.177)			800	
SRR1005	12.7(.500)	10.0(.393)	5.2(.205)			600	
SRR1206	12.7(.500)	12.7(.500)	6.5(.256)			600	
SRR1210	12.0(.472)	12.0(.472)	10.0(.394)			250	
SRR1240	12.5(.492)	12.5(.492)	4.0(.157)			800	
SRR1260	12.5(.492)	12.5(.492)	6.0(.236)			600	

SRR0604 Series

MOUSER STOCK NO.	Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
652-SRR0604-2R5ML	A	2.5	21	7.96	100.0
652-SRR0604-220ML	A	22	16	2.52	25.0
652-SRR0604-221KL	A	220	20	0.796	10.0

SRR0905 Series

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR0905-100M	B	10	39	2.52	29
652-SRR0905-120M	B	12	40	2.52	26
652-SRR0905-150M	B	15	35	2.52	24
652-SRR0905-180M	B	18	39	2.52	21
652-SRR0905-220M	B	22	35	2.52	18
652-SRR0905-270M	B	27	35	2.52	17
652-SRR0905-330Y	B	33	27	2.52	14
652-SRR0905-390Y	B	39	31	2.52	14
652-SRR0905-470Y	B	47	27	2.52	11
652-SRR0905-680Y	B	68	26	2.52	10
652-SRR0905-101K	B	100	29	0.796	8
652-SRR0905-121K	B	120	31	0.796	7
652-SRR0905-151K	B	150	24	0.796	6
652-SRR0905-221K	B	220	27	0.796	5
652-SRR0905-271K	B	270	30	0.796	5
652-SRR0905-331K	B	330	29	0.796	4
652-SRR0905-391K	B	390	26	0.796	3
652-SRR0905-471K	B	470	26	0.796	3

SRR1005 Series

- Reflow Soldering: 230°C, 10 sec. max. (In compliance with JEDEC, J-STD-020C, Table 4-2)

MOUSER STOCK NO.	Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
652-SRR1005-3R3M	C	3.3	25	7.96	75.0
652-SRR1005-4R7M	C	4.7	25	7.96	50.0
652-SRR1005-6R8M	C	6.8	22	7.96	35.0
652-SRR1005-100M	C	10	48	2.52	30.0
652-SRR1005-120M	C	12	45	2.52	25.0
652-SRR1005-150M	C	15	40	2.52	20.0
652-SRR1005-180Y	C	18	35	2.52	19.0
652-SRR1005-220Y	C	22	42	2.52	18.0
652-SRR1005-270Y	C	27	40	2.52	17.0
652-SRR1005-470Y	C	47	35	2.52	12.0
652-SRR1005-680Y	C	68	35	2.52	9.0
652-SRR1005-820Y	C	82	35	2.52	8.0
652-SRR1005-101K	C	100	35	0.796	7.5
652-SRR1005-121K	C	120	30	0.796	7.2
652-SRR1005-151K	C	150	28	0.796	6.2
652-SRR1005-181K	C	180	28	0.796	5.8
652-SRR1005-221K	C	220	30	0.796	5.2
652-SRR1005-271K	C	270	30	0.796	4.8
652-SRR1005-331K	C	330	30	0.796	4.5
652-SRR1005-471K	C	470	40	0.796	3.0
652-SRR1005-681K	C	680	37	0.796	2.6
652-SRR1005-102K	C	1000	65	0.252	2.0
652-SRR1005-122K	C	1200	58	0.252	2.0
652-SRR1005-152K	C	1500	53	0.252	1.6
652-SRR1005-182K	C	1800	65	0.252	1.4
652-SRR1005-222K	C	2200	55	0.252	1.4
652-SRR1005-272K	C	2700	55	0.252	1.2
652-SRR1005-332K	C	3300	50	0.252	1.2

SRR1206 Series

652-SRR1206-100ML	D	10	18	2.52	18.0

SRR1210 Series

- Test Voltage: 0.25V/1KHz

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR1210-100M	E	10	16	2.52	12.0
652-SRR1210-120M	E	12	14	2.52	18.0
652-SRR1210-150M	E	15	16	2.52	10.5
652-SRR1210-180M	E	18	13	2.52	8.00
652-SRR1210-220M	E	22	16	2.52	8.00
652-SRR1210-270M	E	27	16	2.52	6.50
652-SRR1210-330M	E	33	16	2.52	6.50
652-SRR1210-390M	E	39	16	2.52	4.50
652-SRR1210-470M	E	47	16	2.52	4.50
652-SRR1210-560M	E	56	8	2.52	4.00
652-SRR1210-680M	E	68	12	2.52	3.80
652-SRR1210-820M	E	82	15	2.52	3.50
652-SRR1210-101M	E	100	16	0.796	3.00
652-SRR1210-121M	E	120	13	0.796	2.60
652-SRR1210-151M	E	150	12	0.796	2.20
652-SRR1210-181M	E	180	14	0.796	1.80
652-SRR1210-221M	E	220	15	0.796	1.80
652-SRR1210-271M	E	270	16	0.796	1.80
652-SRR1210-331M	E	330	14	0.796	1.80
652-SRR1210-391M	E	390	16	0.796	1.30
652-SRR1210-471M	E	470	12	0.796	0.85
652-SRR1210-561M	E	560	12	0.796	0.85
652-SRR1210-681M	E	680	11	0.796	0.85
652-SRR1210-821M	E	820	6	0.796	0.85
652-SRR1210-102M	E	1000	22	0.796	0.85

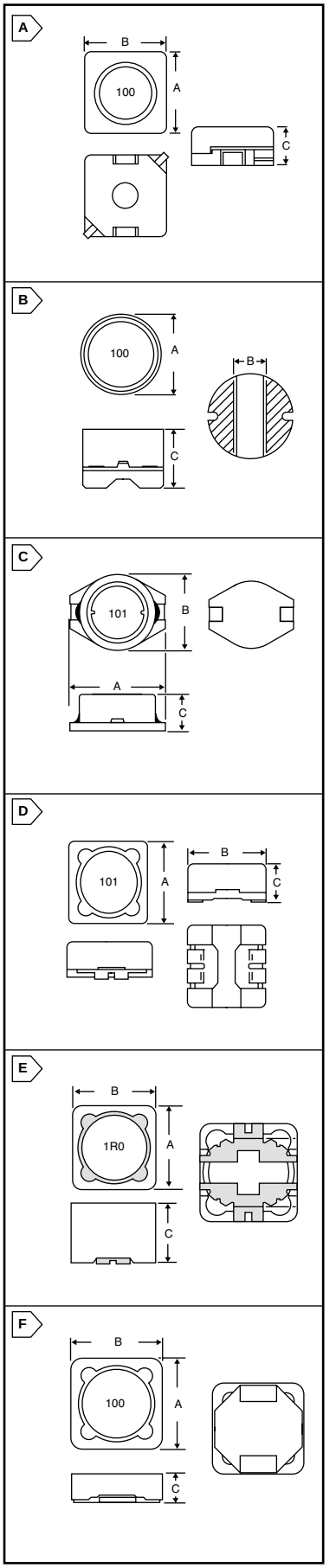
SRR1240 Series

- Test Voltage: 01V

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR1240-1R0Y	F	1.0	10	7.96	85
652-SRR1240-3R3Y	F	3.3	14	7.96	43
652-SRR1240-5R6M	F	5.6	14	7.96	35
652-SRR1240-6R8M	F	6.8	14	7.96	34
652-SRR1240-8R2M	F	8.2	10	7.96	32
652-SRR1240-100M	F	10	17	2.52	27
652-SRR1240-150M	F	15	16	2.52	22
652-SRR1240-220M	F	22	18	2.52	16
652-SRR1240-330M	F	33	19	2.52	15
652-SRR1240-470M	F	47	19	2.52	13
652-SRR1240-680M	F	68	19	2.52	11
652-SRR1240-101M	F	100	14	0.796	8
652-SRR1240-151K	F	150	12	0.796	7.5
652-SRR1240-221K	F	220	12	0.796	6.6
652-SRR1240-331K	F	330	12	0.796	5.5
652-SRR1240-471K	F	470	12	0.796	4.5
652-SRR1240-681K	F	680	14	0.796	3.8
652-SRR1240-821K	F	820	10	0.796	3.5
652-SRR1240-102K	F	1000	16	0.252	2.8

SRR1260 Series

MOUSER STOCK NO.	Fig.	Inductance 100kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Typ.)
652-SRR1260-1R0Y	F	1.0	26	7.96	100.00
652-SRR1260-1R5Y	F	1.5	24	7.96	86.00
652-SRR1260-2R2Y	F	2.2	22	7.96	70.00
652-SRR1260-3R3Y	F	3.3	20	7.96	40.00
652-SRR1260-4R7Y	F	4.7	19	7.96	36.70
652-SRR1260-6R8Y	F	6.8	20	7.96	28.20
652-SRR1260-7R6Y	F	7.6	16	7.96	27.90
652-SRR1260-8R2Y	F	8.2	18	7.96	24.00
652-SRR1260-100M	F	10	32	2.52	21.00
652-SRR1260-120M	F	12	27	2.52	19.40
652-SRR1260-150M	F	15	25	2.52	17.60
652-SRR1260-180M	F	18	28	2.52	15.50
652-SRR1260-220M	F	22	29	2.52	13.40
652-SRR1260-270M	F	27	26	2.52	12.70
652-SRR1260-330M	F	33	27	2.52	9.97
652-SRR1260-390M	F	39	22	2.52	10.40
652-SRR1260-470M	F	47	22	2.52	7.63
652-SRR1260-560M	F	56	24	2.52	7.92
652-SRR1260-680M	F	68	22	2.52	7.43
652-SRR1260-820M	F	82	25	2.52	6.85
652-SRR1260-101M	F	100	26	0.796	6.07
652-SRR1260-151K	F	150	20	0.796	5.00
652-SRR1260-221K	F	220	22	0.796	4.20
652-SRR1260-271K	F	270	20	0.796	3.60
652-SRR1260-331K	F	330	22	0.796	3.20
652-SRR1260-391K	F	390	20	0.796	2.80
652-SRR1260-471K	F	470	18	0.796	2.60
652-SRR1260-681K	F	680	18	0.796	2.20
652-SRR1260-821K	F	820	20	0.796	2.00
652-SRR1260-102K	F	1000	30	0.796	1.80



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