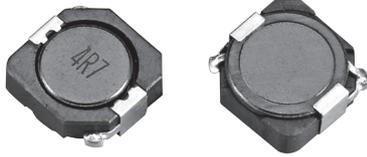




SMD Shielded Power Inductor

SRS Series



Features

- Magnetically shielded construction
- Low resistance and high energy storage

Application

- DC/DC converters transformer, LCD TV, Notebook, VCR Camera

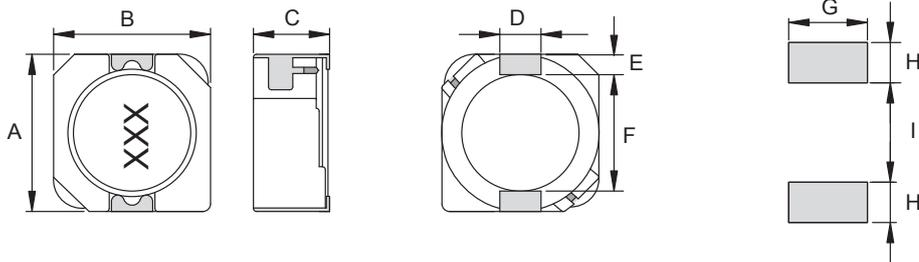
Part Numbering

SRS 103 - 4R7 N - □ A

① ② ③ ④ ⑤ ⑥

- 1 Product Group
- 2 Dimension Code
- 3 Inductance Code: R means decimal point
Ex: 4R7→4.7μH
- 4 Inductance Tolerance M=±20%, N=±30%
- 5 Control Code
- 6 Automobile Code

Shapes and Dimension



Unit: mm

Type	A	B	C	D	E	F	G	H	I
SRS103	10.50 (Max)	10.30 (Max)	3.10 (Max)	3.00 (Typ.)	1.20 (Typ.)	7.70 (Typ.)	3.20	1.60	7.30
SRS104	10.50 (Max)	10.30 (Max)	4.00 (Max)	3.00 (Typ.)	1.20 (Typ.)	7.70 (Typ.)	3.20	1.60	7.30
SRS105	10.50 (Max)	10.30 (Max)	5.10 (Max)	3.00 (Typ.)	1.20 (Typ.)	7.70 (Typ.)	3.20	1.60	7.30

General Technical Data

Operating Temperature Range	-40°C~+125°C
Storage Temperature	40°C Max. , 70%RHMax.

• The specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
 • The catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



SMD Shielded Power Inductor

SRS Series

Electrical Characteristics

AEC
Q200

Part Number	Inductance	Test Frequency	DC Resistance (RDC) Max.	Rated Current (IDC)
SRS103 Series				
SRS103-4R7N-□A	4.70μH±30%	100KHz	0.0300Ω	4.65A
SRS103-6R8N-□A	6.80μH±30%	100KHz	0.0350Ω	3.84A
SRS103-100M-□A	10.00μH±20%	100KHz	0.0590Ω	3.18A
SRS103-150M-□A	15.00μH±20%	100KHz	0.0910Ω	2.60A
SRS103-330M-□A	33.00μH±20%	100KHz	0.2020Ω	1.74A
SRS103-470M-□A	47.00μH±20%	100KHz	0.2990Ω	1.43A

• Inductance drop ≤ 35% typical at IDC.

AEC
Q200

Part Number	Inductance	Test Frequency	DC Resistance (RDC) Max.	Rated Current (IDC)
SRS104 Series				
SRS104-2R2M-□A	2.20μH±20%	100KHz	0.0105Ω	7.50A
SRS104-3R3M-□A	3.30μH±20%	100KHz	0.0130Ω	6.00A
SRS104-3R8M-□A	3.80μH±20%	100KHz	0.0130Ω	6.00A
SRS104-4R7M-□A	4.70μH±20%	100KHz	0.0180Ω	5.70A
SRS104-6R8M-□A	6.80μH±20%	100KHz	0.0270Ω	5.00A
SRS104-7R0M-□A	7.00μH±20%	100KHz	0.0270Ω	4.80A
SRS104-8R2M-□A	8.20μH±20%	100KHz	0.0330Ω	4.50A
SRS104-100M-□A	10.00μH±20%	100KHz	0.0350Ω	4.40A
SRS104-150M-□A	15.00μH±20%	100KHz	0.0500Ω	3.60A
SRS104-180M-□A	18.00μH±20%	100KHz	0.0700Ω	3.50A
SRS104-220M-□A	22.00μH±20%	100KHz	0.0730Ω	2.90A
SRS104-270M-□A	27.00μH±20%	100KHz	0.0900Ω	2.50A
SRS104-330M-□A	33.00μH±20%	100KHz	0.0930Ω	2.30A
SRS104-390M-□A	39.00μH±20%	100KHz	0.1280Ω	2.10A
SRS104-470M-□A	47.00μH±20%	100KHz	0.1280Ω	2.10A
SRS104-560M-□A	56.00μH±20%	100KHz	0.2130Ω	1.60A
SRS104-680M-□A	68.00μH±20%	100KHz	0.2130Ω	1.50A
SRS104-820M-□A	82.00μH±20%	100KHz	0.2800Ω	1.35A
SRS104-101M-□A	100.00μH±20%	100KHz	0.3040Ω	1.35A
SRS104-151M-□A	150.00μH±20%	100KHz	0.5060Ω	1.15A
SRS104-201M-□A	200.00μH±20%	100KHz	0.7560Ω	0.92A
SRS104-221M-□A	220.00μH±20%	100KHz	0.7560Ω	0.92A
SRS104-331M-□A	330.00μH±20%	100KHz	1.0900Ω	0.70A
SRS104-471M-□A	470.00μH±20%	100KHz	1.6000Ω	0.50A
SRS104-561M-□A	560.00μH±20%	100KHz	2.1000Ω	0.40A

• Inductance drop ≤ 35% typical at IDC.

• The specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
 • The catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



SMD Shielded Power Inductor

SRS Series

Electrical Characteristics

AEC
Q200

Part Number	Inductance	Test Frequency	DC Resistance (RDC) Max.	Rated Current (IDC)
SRS105 Series				
SRS105-1R5N-□A	1.50μH±30%	100KHz	0.0058Ω	10.50A
SRS105-2R2N-□A	2.20μH±30%	100KHz	0.0110Ω	9.25A
SRS105-3R3N-□A	3.30μH±30%	100KHz	0.0104Ω	7.80A
SRS105-4R7N-□A	4.70μH±30%	100KHz	0.0123Ω	6.40A
SRS105-6R8N-□A	6.80μH±30%	100KHz	0.0180Ω	5.40A
SRS105-8R2N-□A	8.20μH±30%	100KHz	0.0200Ω	4.85A
SRS105-100M-□A	10.00μH±20%	100KHz	0.0260Ω	4.45A
SRS105-120M-□A	12.00μH±20%	100KHz	0.0330Ω	4.00A
SRS105-150M-□A	15.00μH±20%	100KHz	0.0410Ω	3.60A
SRS105-180M-□A	18.00μH±20%	100KHz	0.0460Ω	3.20A
SRS105-220M-□A	22.00μH±20%	100KHz	0.0610Ω	2.95A
SRS105-270M-□A	27.00μH±20%	100KHz	0.0690Ω	2.70A
SRS105-330M-□A	33.00μH±20%	100KHz	0.0840Ω	2.50A
SRS105-390M-□A	39.00μH±20%	100KHz	0.1060Ω	2.30A
SRS105-470M-□A	47.00μH±20%	100KHz	0.1300Ω	2.00A
SRS105-560M-□A	56.00μH±20%	100KHz	0.1490Ω	1.90A
SRS105-680M-□A	68.00μH±20%	100KHz	0.2010Ω	1.65A
SRS105-820M-□A	82.00μH±20%	100KHz	0.2270Ω	1.50A
SRS105-101M-□A	100.00μH±20%	100KHz	0.2530Ω	1.35A
SRS105-121M-□A	120.00μH±20%	100KHz	0.3030Ω	1.28A
SRS105-151M-□A	150.00μH±20%	100KHz	0.3700Ω	1.12A
SRS105-181M-□A	180.00μH±20%	100KHz	0.4190Ω	1.04A
SRS105-221M-□A	220.00μH±20%	100KHz	0.5000Ω	0.94A
SRS105-271M-□A	270.00μH±20%	100KHz	0.6720Ω	0.84A
SRS105-331M-□A	330.00μH±20%	100KHz	0.8120Ω	0.75A
SRS105-391M-□A	390.00μH±20%	100KHz	0.9530Ω	0.70A
SRS105-471M-□A	470.00μH±20%	100KHz	1.2900Ω	0.60A
SRS105-561M-□A	560.00μH±20%	100KHz	1.4300Ω	0.54A
SRS105-681M-□A	680.00μH±20%	100KHz	1.6000Ω	0.52A
SRS105-821M-□A	820.00μH±20%	100KHz	1.7700Ω	0.50A
SRS105-102M-□A	1000.00μH±20%	100KHz	1.9900Ω	0.48A

• Inductance drop ≤ 35% typical at IDC.

• The specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
 • The catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.