

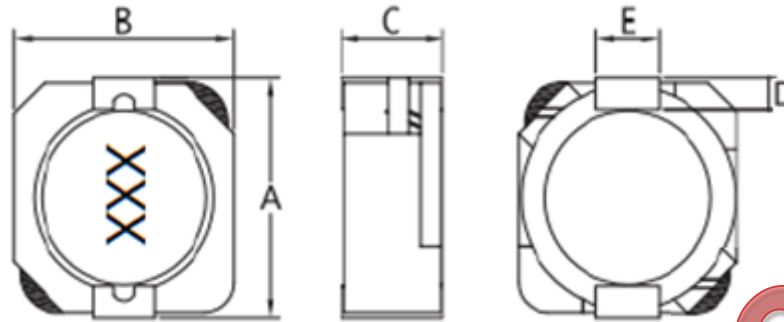
SRS104-Series-Z3 Specification

SMD Shielded Power Inductor

APPLICATION

Tablet terminals, HDDs, SSDs, DVCs, DSCs, mobile display panels, portable game devices, Telecommunications, Consumer electronics, Compact power supply modules, other

1. Shapes and Dimensions



Unit: mm

Type	A	B	C	D	E
SRS104	10.5 Max.	10.3 Max.	4.1 Max.	1.2 Ref.	3.0 Ref.

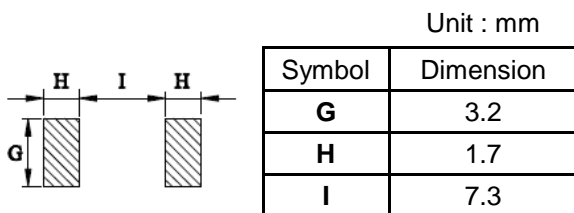
2. Ordering / Part Number Information

SRS 104 - 1R0 N - Z3
(1) (2) (3) (4) (5)

- (1) Product Group
- (2) Dimension Code
- (3) Inductance Code
- (4) Inductance Tolerance
- (5) Control Code

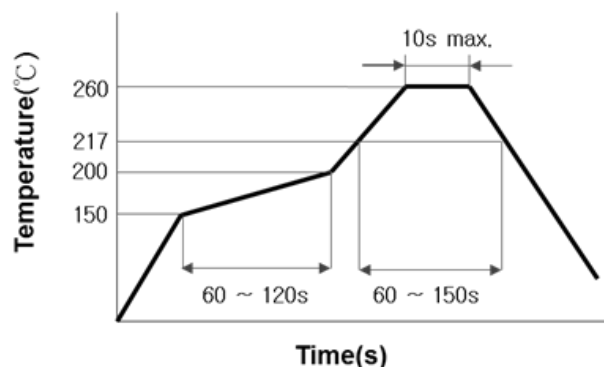
3. Recommended Soldering Condition

3-1. Recommended Land Pattern



The Recommended Land pattern is for reference only.
 Please consult your manufacturing partners to ensure your company's PCB design guidelines are met

3-2. Recommended Soldering Profile



4. Electrical Characteristics

4-1. Electrical Specification

Part Number	Inductance (L) @100kHz	DC Resistance (RDC) Max.	Rated Current (IDC) Max.
SRS104-1R0N-Z3	1.0 μ H \pm 30%	0.014 Ω	10.00A
SRS104-2R2N-Z3	2.2 μ H \pm 30%	0.021 Ω	7.50A
SRS104-3R3N-Z3	3.3 μ H \pm 30%	0.025 Ω	6.00A
SRS104-4R7N-Z3	4.7 μ H \pm 30%	0.028 Ω	5.50A
SRS104-6R8N-Z3	6.8 μ H \pm 30%	0.038 Ω	4.80A
SRS104-100M-Z3	10.0 μ H \pm 20%	0.043 Ω	4.40A
SRS104-150M-Z3	15.0 μ H \pm 20%	0.068 Ω	3.60A
SRS104-180M-Z3	18.0 μ H \pm 20%	0.070 Ω	3.30A
SRS104-220M-Z3	22.0 μ H \pm 20%	0.090 Ω	2.90A
SRS104-270M-Z3	27.0 μ H \pm 20%	0.117 Ω	2.60A
SRS104-330M-Z3	33.0 μ H \pm 20%	0.120 Ω	2.40A
SRS104-390M-Z3	39.0 μ H \pm 20%	0.150 Ω	2.20A
SRS104-470M-Z3	47.0 μ H \pm 20%	0.190 Ω	2.10A
SRS104-560M-Z3	56.0 μ H \pm 20%	0.297 Ω	1.80A
SRS104-680M-Z3	68.0 μ H \pm 20%	0.350 Ω	1.50A
SRS104-820M-Z3	82.0 μ H \pm 20%	0.385 Ω	1.45A
SRS104-101M-Z3	100.0 μ H \pm 20%	0.430 Ω	1.35A
SRS104-151M-Z3	150.0 μ H \pm 20%	0.506 Ω	1.15A
SRS104-181M-Z3	180.0 μ H \pm 20%	0.627 Ω	1.00A
SRS104-221M-Z3	220.0 μ H \pm 20%	0.756 Ω	0.92A
SRS104-271M-Z3	270.0 μ H \pm 20%	0.950 Ω	0.75A
SRS104-331M-Z3	330.0 μ H \pm 20%	1.090 Ω	0.70A
SRS104-391M-Z3	390.0 μ H \pm 20%	1.550 Ω	0.65A
SRS104-471M-Z3	470.0 μ H \pm 20%	1.900 Ω	0.60A
SRS104-561M-Z3	560.0 μ H \pm 20%	2.050 Ω	0.58A
SRS104-681M-Z3	680.0 μ H \pm 20%	2.200 Ω	0.55A
SRS104-821M-Z3	820.0 μ H \pm 20%	4.600 Ω	0.40A
SRS104-102M-Z3	1000.0 μ H \pm 20%	5.110 Ω	0.32A

Note1. The saturation current is DC current value Inductance decrease down to 35%.
(Test by a short period of time to minimize the self-heating effect of the component.)

4-2. Operating Temperature Range

-40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)

4-4. Storage Temperature Range

Store this product under the condition of 5 $^{\circ}$ C to 40 $^{\circ}$ C, 20% to 70%RH and use within 6 months

5. Package Quantity

Standard Quantity for Packaging: 1,000 pcs/Reel

Note

1. Please make sure that your product is has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)

Reference