

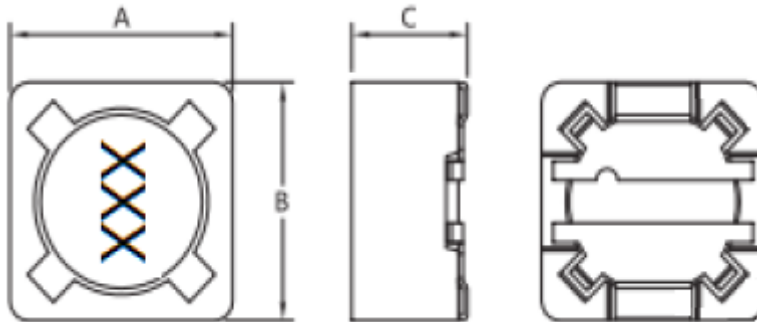
SDS73-Series-Z3 Specification

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
SDS73	7.3±0.4	7.3±0.4	3.5 Max.

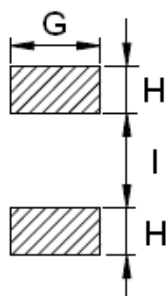
2. Ordering / Part Number Information

SDS 73 - 1R0 N - Z3
(1) (2) (3) (4) (5)

- (1) Product Group
- (2) Dimension Code
- (3) Inductance Code
- (4) Inductance Tolerance (M=±20%, N=±30%)
- (5) Control Code

3. Recommended Soldering Condition

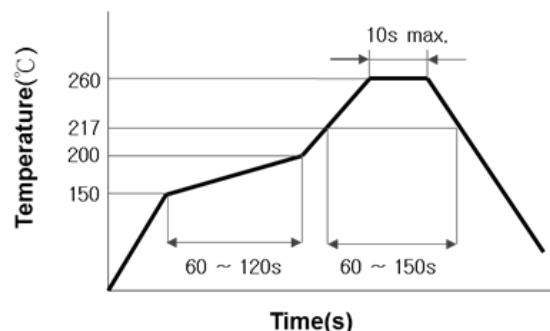
3-1. Recommended Land Pattern



Unit : mm

Symbol	Dimension
G	2.20
H	1.60
I	4.80

3-2. Recommended Soldering Profile



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

4. Electrical Characteristics

4-1. Electrical Specification

Part Number	Inductance (L) @100KHz	DC Resistance (R _{DC}) Max.	Rated Current (I _{DC}) Max.
SDS73-1R0N-Z3	1.00uH ±30%	0.025Ω	3.60A
SDS73-2R2N-Z3	2.20uH ±30%	0.035Ω	2.50A
SDS73-3R3N-Z3	3.30uH ±30%	0.038Ω	2.00A
SDS73-4R7N-Z3	4.70uH ±30%	0.040Ω	1.82A
SDS73-6R8N-Z3	6.80uH ±30%	0.058Ω	1.70A
SDS73-100M-Z3	10.0uH ±20%	0.072Ω	1.68A
SDS73-150M-Z3	15.0uH ±20%	0.130Ω	1.33A
SDS73-180M-Z3	18.0uH ±20%	0.140Ω	1.20A
SDS73-220M-Z3	22.0uH ±20%	0.190Ω	1.07A
SDS73-270M-Z3	27.0uH ±20%	0.210Ω	0.96A
SDS73-330M-Z3	33.0uH ±20%	0.240Ω	0.91A
SDS73-390M-Z3	39.0uH ±20%	0.320Ω	0.77A
SDS73-470M-Z3	47.0uH ±20%	0.360Ω	0.76A
SDS73-560M-Z3	56.0uH ±20%	0.470Ω	0.68A
SDS73-680M-Z3	68.0uH ±20%	0.520Ω	0.61A
SDS73-820M-Z3	82.0uH ±20%	0.690Ω	0.57A
SDS73-101M-Z3	100.0uH ±20%	0.790Ω	0.50A
SDS73-151M-Z3	150.0uH ±20%	1.270Ω	0.43A
SDS73-181M-Z3	180.0uH ±20%	1.450Ω	0.39A
SDS73-221M-Z3	220.0uH ±20%	1.650Ω	0.35A
SDS73-271M-Z3	270.0uH ±20%	2.310Ω	0.32A
SDS73-331M-Z3	330.0uH ±20%	2.620Ω	0.28A
SDS73-391M-Z3	390.0uH ±20%	2.940Ω	0.26A
SDS73-471M-Z3	470.0uH ±20%	4.180Ω	0.24A
SDS73-561M-Z3	560.0uH ±20%	4.670Ω	0.22A
SDS73-681M-Z3	680.0uH ±20%	5.730Ω	0.19A
SDS73-821M-Z3	820.0uH ±20%	6.540Ω	0.18A
SDS73-102M-Z3	1000.0uH ±20%	9.440Ω	0.16A

Note1. The DC Rated Current is based on inductance change $\Delta L/L0:30\%$.Typ.

4-2. Operating Temperature Range

-40°C to +125°C (Including self-temperature rise)

4-3. Storage Temperature Range

Store this product under the condition of 5°C to 40°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