

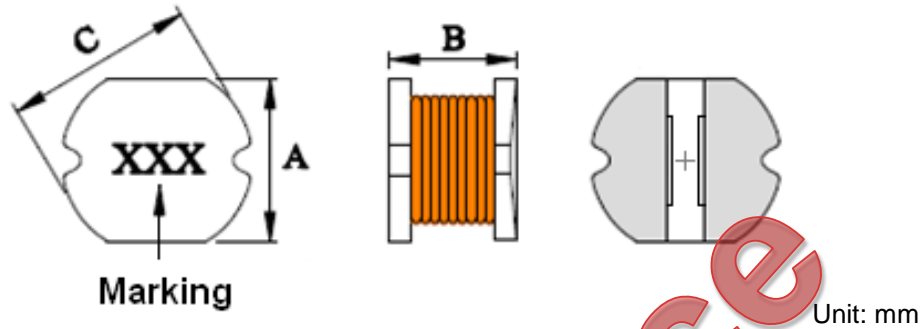
SDR4532-Series-H2 Specification

SMD Unshielded 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



Type	A	B	C
SDR4532	4.00±0.30	3.20±0.30	4.50±0.30

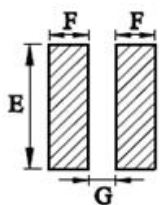
2. Ordering / Part Number Information

SDR **4532** - **1R0** **M** - **H2**
 (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

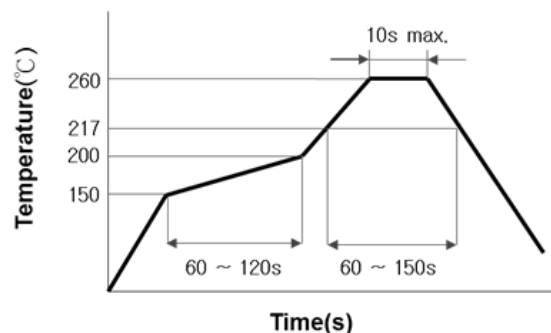


Unit : mm

Symbol	Dimension
E	4.50
F	1.75
G	1.50

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)	Test Freq.	DC Resistance (R _{DC}) Max.	Rated Current (I _{DC}) Typ.	Marking
SDR4532-1R0M-H2	1.0μH±20%	7.96MHz	0.033Ω	5.00A	1R0
SDR4532-1R2M-H2	1.2μH±20%	7.96MHz	0.035Ω	4.60A	1R2
SDR4532-1R5M-H2	1.5μH±20%	7.96MHz	0.038Ω	3.80A	1R5
SDR4532-1R8M-H2	1.8μH±20%	7.96MHz	0.042Ω	3.50A	1R8
SDR4532-2R2M-H2	2.2μH±20%	7.96MHz	0.047Ω	3.20A	2R2
SDR4532-2R7M-H2	2.7μH±20%	7.96MHz	0.052Ω	3.00A	2R7
SDR4532-3R3M-H2	3.3μH±20%	7.96MHz	0.058Ω	2.80A	3R3
SDR4532-3R9M-H2	3.9μH±20%	7.96MHz	0.076Ω	2.50A	3R9
SDR4532-4R7M-H2	4.7μH±20%	7.96MHz	0.094Ω	2.00A	4R7
SDR4532-5R6M-H2	5.6μH±20%	7.96MHz	0.101Ω	1.90A	5R6
SDR4532-6R8M-H2	6.8μH±20%	7.96MHz	0.117Ω	1.50A	6R8
SDR4532-8R2M-H2	8.2μH±20%	7.96MHz	0.132Ω	1.35A	8R2
SDR4532-100K-H2	10.0μH±10%	2.52MHz	0.182Ω	1.22A	100
SDR4532-120K-H2	12.0μH±10%	2.52MHz	0.210Ω	1.17A	120
SDR4532-150K-H2	15.0μH±10%	2.52MHz	0.235Ω	1.08A	150
SDR4532-180K-H2	18.0μH±10%	2.52MHz	0.338Ω	0.96A	180
SDR4532-220K-H2	22.0μH±10%	2.52MHz	0.378Ω	0.92A	220
SDR4532-270K-H2	27.0μH±10%	2.52MHz	0.522Ω	0.90A	270
SDR4532-330K-H2	33.0μH±10%	2.52MHz	0.540Ω	0.85A	330
SDR4532-390K-H2	39.0μH±10%	2.52MHz	0.587Ω	0.82A	390
SDR4532-470K-H2	47.0μH±10%	2.52MHz	0.844Ω	0.76A	470
SDR4532-560K-H2	56.0μH±10%	2.52MHz	0.937Ω	0.67A	560
SDR4532-680K-H2	68.0μH±10%	2.52MHz	1.117Ω	0.53A	680
SDR4532-101K-H2	100.0μH±10%	1KHz	2.000Ω	0.48A	101
SDR4532-121K-H2	120.0μH±10%	1KHz	1.800Ω	0.43A	121
SDR4532-151K-H2	150.0μH±10%	1KHz	2.800Ω	0.35A	151
SDR4532-181K-H2	180.0μH±10%	1KHz	3.200Ω	0.33A	181
SDR4532-221K-H2	220.0μH±10%	1KHz	4.000Ω	0.27A	221
SDR4532-331K-H2	330.0μH±10%	1KHz	5.850Ω	0.20A	331

Note1. Rated Current for Inductance becomes 10% lower than its initial value.

(Test by a short period of time to minimize the self-heating effect of the component.)

4-2. Operating Temperature Range

-40°C to +105°C (Including self - temperature rise)

4-3. Storage Temperature Range

Store this product under the condition of 5°C to 35°C, 20% to 70%RH and use within 6 months

5. Package Quantity

Standard Quantity for Packaging: 2,000 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