

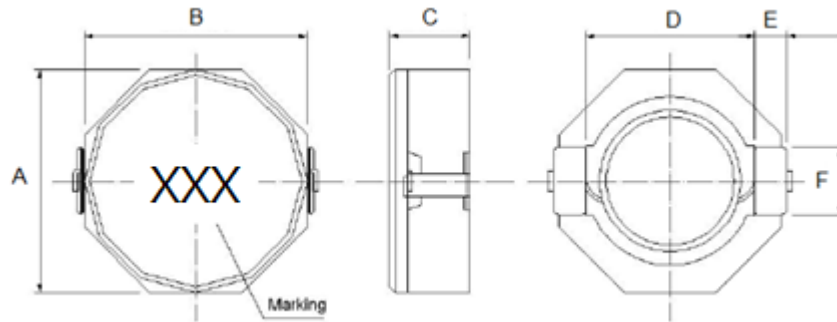
SRH8D43-Series-G3 Specification

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	F
SRH8D43	8.3 Max.	8.3 Max.	4.5 Max.	6.3 Ref.	1.2 Ref.	2.5 Ref.

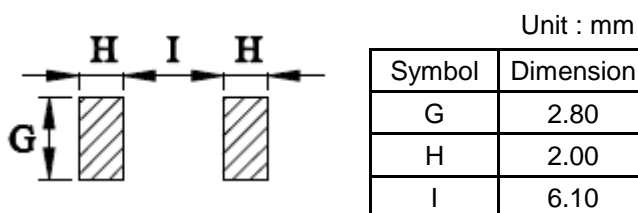
2. Ordering / Part Number Information

SRH **8D43** - **2R2** **N** - **G3**
(1) **(2)** **(3)** **(4)** **(5)**

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

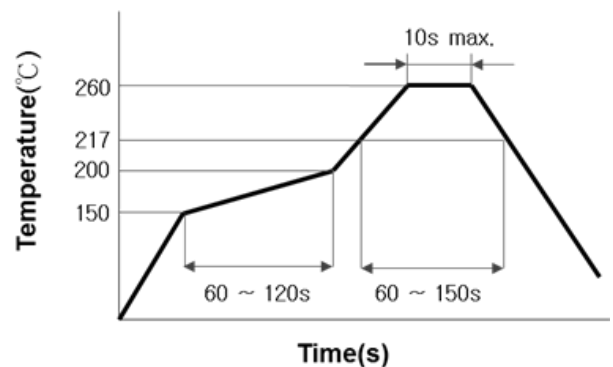
3. Recommended Soldering Condition

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, 0.1V	DC Resistance (R _{DC}) Max.	Rated Current (I _{DC}) Max.	Marking
SRH8D43-2R2N-G3	2.2μH±30%	15.0mΩ	6.80A	2R2
SRH8D43-2R5N-G3	2.5μH±30%	16.0mΩ	6.60A	2R5
SRH8D43-3R3N-G3	3.3μH±30%	17.0mΩ	6.20A	3R3
SRH8D43-3R9N-G3	3.9μH±30%	19.0mΩ	5.90A	3R9
SRH8D43-4R7N-G3	4.7μH±30%	22.0mΩ	5.60A	4R7
SRH8D43-6R8M-G3	6.8μH±20%	25.0mΩ	4.40A	6R8
SRH8D43-100M-G3	10.0μH±20%	36.0mΩ	4.00A	100
SRH8D43-150M-G3	15.0μH±20%	53.0mΩ	2.90A	150
SRH8D43-180M-G3	18.0μH±20%	72.0mΩ	2.70A	180
SRH8D43-220M-G3	22.0μH±20%	75.0mΩ	2.60A	220
SRH8D43-270M-G3	27.0μH±20%	100.0mΩ	2.25A	270
SRH8D43-330M-G3	33.0μH±20%	125.0mΩ	2.20A	330
SRH8D43-470M-G3	47.0μH±20%	150.0mΩ	1.80A	470
SRH8D43-680M-G3	68.0μH±20%	240.0mΩ	1.50A	680
SRH8D43-101M-G3	100.0μH±20%	360.0mΩ	1.30A	101
SRH8D43-121M-G3	120.0μH±20%	500.0mΩ	1.00A	121
SRH8D43-331M-G3	330.0μH±20%	1700.0mΩ	0.65A	331

Note1. Rated Current for Inductance drop ≤ 35% from 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 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)7