

SHIELDED SMD POWER INDUCTORS / SRI TYPE

FEATURES

- ◆ Excellent solder ability and high heat resistance for flow soldering.
- ◆ For large current circuits due to its low DC resistance.
- ◆ Excellent in terminal strength due to its high performance ferrite core material and solder ability.



APPLICATIONS

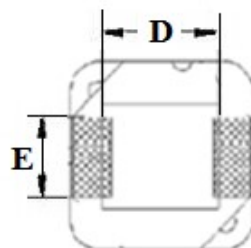
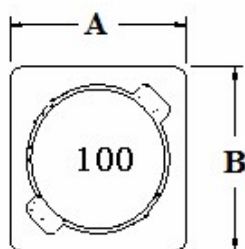
- ◆ Modern power solutions.
- ◆ AI devices.
- ◆ DC/DC converters, etc.
- ◆ Various categories of consumer electronics.

ORDERING CODE

The diagram illustrates the components of the product symbol **SRI 0603 B-100 □**. It shows how the symbol is constructed from its individual parts, with lines connecting each part to its description:

- Tolerance (K:±10%, M:±20%)**: Indicated by the square symbol **□**.
- Inductance**: Indicated by the value **100**.
- Bakelite Base**: Indicated by the letter **B**.
- Dimension**: Indicated by the value **0603**.
- Product Symbol**: Indicated by the letters **SRI**.

DIMENSIONS (UNIT: mm)



A	6.6 ± 0.3	m/m
B	6.2 ± 0.3	m/m
C	3.0 (MAX)	m/m
D	4.0 (REF)	m/m
E	1.5 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SRI0603B

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0603B-1R0 □	1.0	0.030	5.50
SRI0603B-1R5 □	1.5	0.040	4.50
SRI0603B-2R2 □	2.2	0.050	3.50
SRI0603B-3R3 □	3.3	0.055	3.00
SRI0603B-4R7 □	4.7	0.060	2.40
SRI0603B-5R6 □	5.6	0.072	2.30
SRI0603B-6R8 □	6.8	0.095	2.20
SRI0603B-100 □	10	0.150	1.90
SRI0603B-220 □	22	0.340	1.20
SRI0603B-330 □	33	0.450	1.00
SRI0603B-470 □	47	0.690	0.85
SRI0603B-680 □	68	0.750	0.65
SRI0603B-820 □	82	0.770	0.55
SRI0603B-101 □	100	1.400	0.50
SRI0603B-121 □	120	1.900	0.45
SRI0603B-181 □	180	2.770	0.40
SRI0603B-471 □	470	4.030	0.26
SRI0603B-681 □	680	6.300	0.21
SRI0603B-821 □	820	7.400	0.20
SRI0603B-102 □	1000	10.500	0.16

* 100uH 以上 Test Frequency : 1KHZ/1V

* 100uH 以下 Test Frequency : 100KHZ/0.1V



CORE MASTER ENTERPRISE CO., LTD.

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