

Surface Mount Power Inductors / SMI TYPE

FEATURES

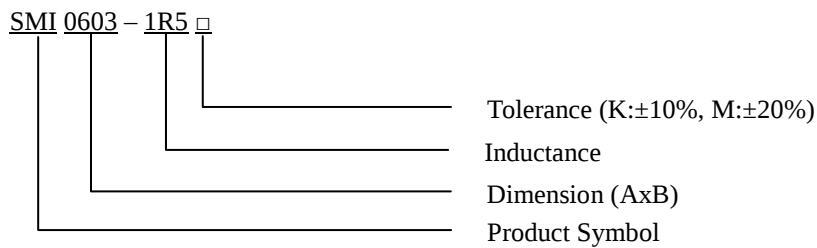
- ◆ 125°C maximum temperature operation
- ◆ Ferrite core material
- ◆ Metalized core mounting utilizes board space
- ◆ Frequency range up to 1MHz



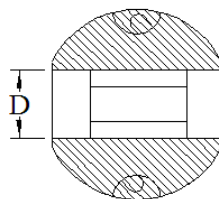
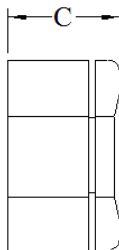
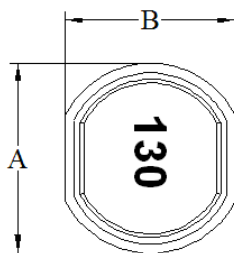
APPLICATIONS

- ◆ Power supply for VTRs.
- ◆ Portable communication equipment.
- ◆ Notebook PCs.
- ◆ LCD televisions.
- ◆ DC/DC converters, etc.

ORDERING CODE



DIMENSIONS (UNIT: mm)



A	6.2 ± 0.3	m/m
B	5.8 ± 0.3	m/m
C	3.5 (MAX)	m/m
D	1.7 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMI 0603

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SMI0603-1R5M	1.5	0.027	5.00
SMI0603-2R2M	2.2	0.035	4.09
SMI0603-3R3M	3.3	0.051	3.20
SMI0603-5R6M	5.6	0.059	2.65
SMI0603-6R8M	6.8	0.067	2.37
SMI0603-8R2M	8.2	0.075	2.14
SMI0603-100M	10.0	0.085	1.30
SMI0603-150M	15.0	0.100	1.20
SMI0603-220M	22.0	0.150	1.10
SMI0603-330M	33.0	0.200	1.05
SMI0603-470M	47.0	0.290	0.85
SMI0603-680M	68.0	0.380	0.80
SMI0603-820M	82.0	0.460	0.67
SMI0603-101M	100.0	0.700	0.45

* 100uH 以上 Test Frequency : 1KHZ/0.25V

* 100uH 以下 Test Frequency : 2.52MHZ/0.25V