

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

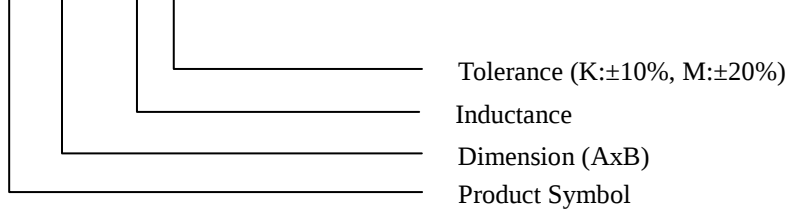


APPLICATIONS

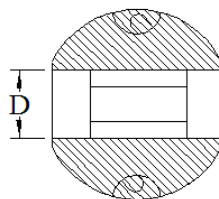
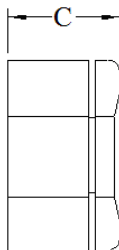
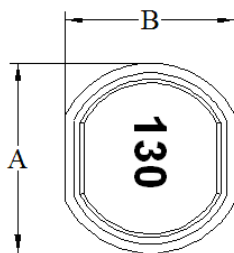
- ◆ Power supply for VTRs.
- ◆ Portable communication equipment.
- ◆ Notebook PCs.
- ◆ LCD televisions.
- ◆ DC/DC converters, etc.

ORDERING CODE

SMI 0705 – 1R5 □



DIMENSIONS (UNIT: mm)



A	7.8 ± 0.3	m/m
B	7.0 ± 0.3	m/m
C	5.2 (MAX)	m/m
D	2.0 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMI 0705

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SMI0705-R82M	0.82	0.006	8.60
SMI0705-1R5M	1.50	0.008	6.60
SMI0705-2R2M	2.20	0.012	5.40
SMI0705-3R3M	3.30	0.017	4.60
SMI0705-4R7M	4.70	0.027	3.50
SMI0705-6R8M	6.80	0.032	3.10
SMI0705-8R2M	8.20	0.043	2.80
SMI0705-100M	10.00	0.047	2.60
SMI0705-150M	15.00	0.073	2.00
SMI0705-220M	22.00	0.110	1.70
SMI0705-330M	33.00	0.140	1.40
SMI0705-470M	47.00	0.210	1.20
SMI0705-680M	68.00	0.310	0.98
SMI0705-820M	82.00	0.420	0.87
SMI0705-101M	100.00	0.470	0.80
SMI0705-151M	150.00	0.720	0.64
SMI0705-221M	220.00	0.890	0.54
SMI0705-331M	330.00	1.500	0.43
SMI0705-471M	470.00	2.000	0.36

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

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