

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

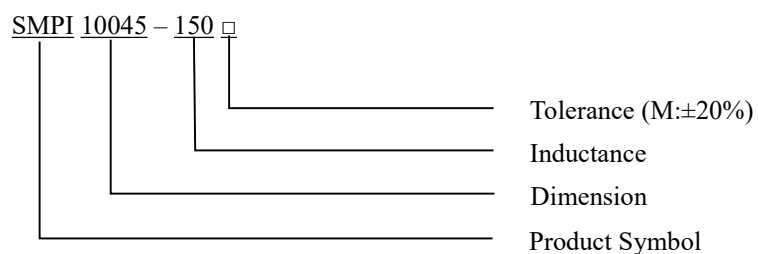
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

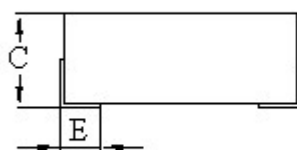
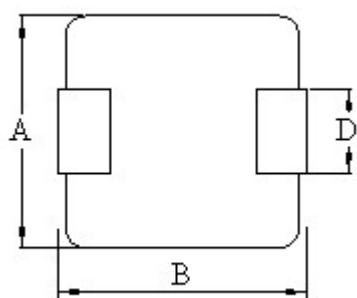
- ◆ Servers.
- ◆ Graphics cards.
- ◆ Various categories of consumer electronics.



ORDERING CODE



DIMENSIONS UNIT: mm



A	10.0 ± 0.5	m/m
B	10.5 ± 1.0	m/m
C	4.5 (MAX)	m/m
D	3.0 (REF)	m/m
E	2.2 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR SMPI 10045

Part No.	Inductance (uH) @0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI10045-100M	10	100KHz / 1V	6.0	9.0	27
SMPI10045-150M	15	100KHz / 1V	5.0	8.0	42
SMPI10045-220M	22	100KHz / 1V	4.0	7.0	63
SMPI10045-330M	33	100KHz / 1V	3.5	5.5	96
SMPI10045-470M	47	100KHz / 1V	3.0	5.0	147
SMPI10045-680M	68	100KHz / 1V	2.5	4.5	210
SMPI10045-820M	82	100KHz / 1V	2.0	4.0	245
SMPI10045-101M	100	100KHz / 1V	1.5	3.0	265

Notes:

- 1) You require another part number please contact with us.
- 2) Inductance Tolerance $\pm 20\%$; Frequency Test : 100KHz/1.0v
- 3) All test data is referenced to 25°C ambient.
- 4) Irms : DC current (A) that will cause an approximate ΔT of 40°C
- 5) Isat : DC current (A) that will cause Lo to drop approximately 30%
- 6) We can design according to customer's request.



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