

# SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

## FEATURES

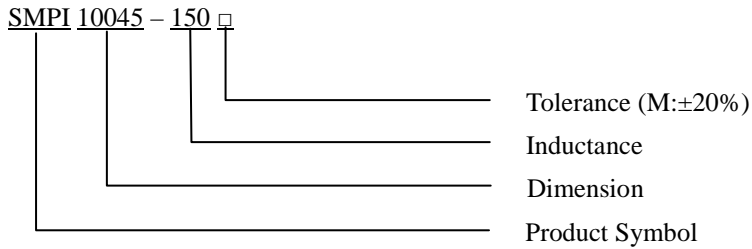
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

## APPLICATIONS

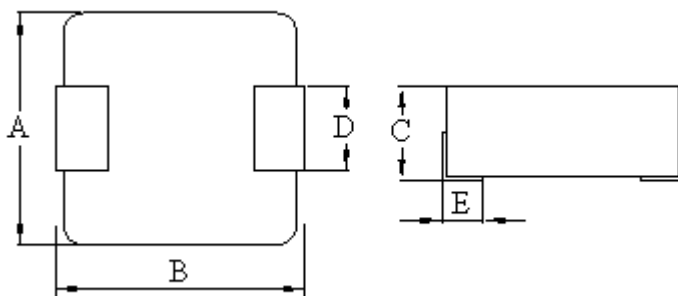
- ◆ High density DC/DC converters
- ◆ POL converters
- ◆ High current VRM/VRD for notebook/ Server/ desktop CPUs
- ◆ High speed charger



## 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	2.0 (REF)	m/m

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### ELECTRICAL CHARACTERISTICS FOR SMPI 10045

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10045-150M	15	100KHz / 1V	60	8
SMPI10045-220M	22	100KHz / 1V	75	6
SMPI10045-330M	33	100KHz / 1V	92	5
SMPI10045-470M	47	100KHz / 1V	145	4

Notes:

- 1) All test Data is referenced to 25°C ambient
- 2) Operating Temperature Range: -55°C to +125°C