

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI-E TYPE

FEATURES

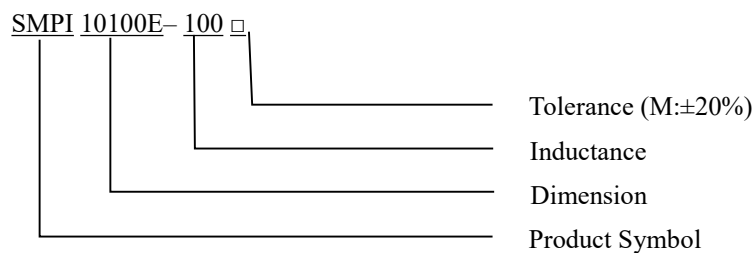
- ◆ Magnetic shielding structure: excellent resistance to electromagnetic interference (EMI).
- ◆ Die-casting by low loss alloy powder: low impedance.
- ◆ High efficiency, wide application frequency and application scope.



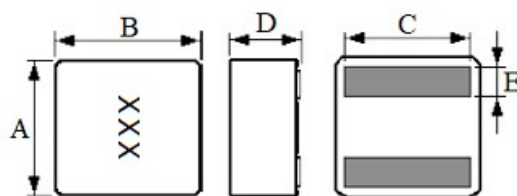
APPLICATIONS

- ◆ Industrial Control Motherboards
- ◆ Graphics Cards
- ◆ Tablet PCs / Notebooks
- ◆ Power Distribution
- ◆ DC/DC Converters
- ◆ LED Lighting
- ◆ Communication Equipment
- ◆ Medical Devices

ORDERING CODE



DIMENSIONS UNIT: mm



A	10.5± 0.5	m/m
B	11.6 ± 0.5	m/m
C	8.3 (REF)	m/m
D	10.1 (MAX)	m/m
E	2.2 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

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ELECTRICAL CHARACTERISTICS FOR SMPI 10100E

Part No.	Inductance (uH) @0A	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI10100E-2R2M	2.2	100KHz/1V	32.0	34.0	2.80
SMPI10100E-3R3M	3.3	100KHz/1V	25.0	27.4	4.10
SMPI10100E-4R7M	4.7	100KHz/1V	22.0	25.4	5.70
SMPI10100E-5R6M	5.6	100KHz/1V	21.2	23.6	6.93
SMPI10100E-6R8M	6.8	100KHz/1V	18.5	21.8	8.90
SMPI10100E-8R2M	8.2	100KHz/1V	17.1	18.3	12.90
SMPI10100E-100M	10.0	100KHz/1V	15.5	17.5	14.75
SMPI10100E-150M	15.0	100KHz/1V	13.8	15.5	19.30
SMPI10100E-220M	22.0	100KHz/1V	12.0	12.0	22.00

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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