

# SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI-E TYPE

## FEATURES

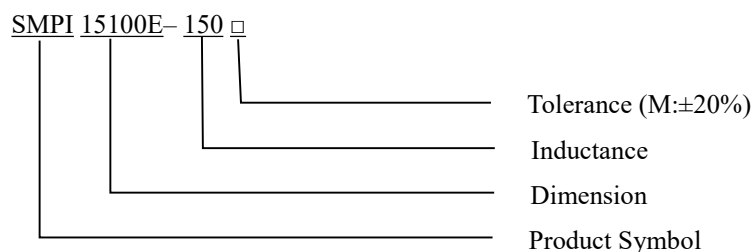
- ◆ Magnetic shielding structure: excellent resistance to electromagnetic interference (EMI).
- ◆ Die-casting by low loss alloy powder: low impedance.
- ◆ High efficiency, wide application frequency and application scope.



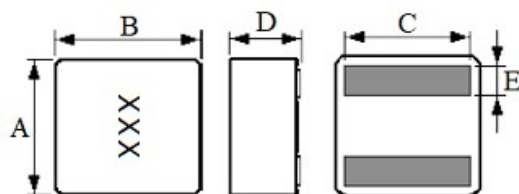
## APPLICATIONS

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

## ORDERING CODE



## DIMENSIONS UNIT: mm



A	15.8± 0.5	m/m
B	16.5 ± 0.5	m/m
C	13.2 (REF)	m/m
D	10.1 (MAX)	m/m
E	3.2 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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### ELECTRICAL CHARACTERISTICS FOR SMPI 15100E

Part No.	Inductance (uH) @0A	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat ( A ) drop30%	RDC (mΩ) MAX
SMPI15100E-4R7M	4.7	100KHz/1V	29	39.0	3.8
SMPI15100E-6R8M	6.8	100KHz/1V	26	36.0	4.6
SMPI15100E-8R2M	8.2	100KHz/1V	24	30.0	7.5
SMPI15100E-100M	10.0	100KHz/1V	22	26.3	9.0
SMPI15100E-150M	15.0	100KHz/1V	18	23.0	12.4
SMPI15100E-220M	22.0	100KHz/1V	14	18.7	16.0
SMPI15100E-330M	33.0	100KHz/1V	12	16.7	20.0

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  $\Delta T$  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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