

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI-E TYPE

FEATURES

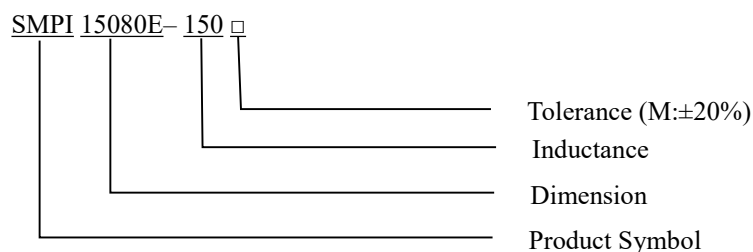
- ◆ Magnetic shielding structure: excellent resistance to electromagnetic interference (EMI).
- ◆ Die-casting by low loss alloy powder: low impedance.
- ◆ High efficiency, wide application frequency and application scope.



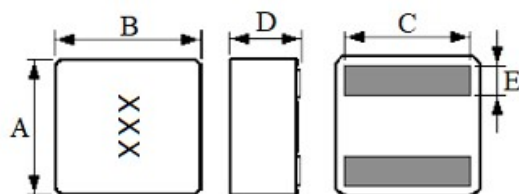
APPLICATIONS

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

ORDERING CODE



DIMENSIONS UNIT: mm



A	15.5± 0.5	m/m
B	16.5 ± 0.5	m/m
C	13.2 (REF)	m/m
D	8.1 (MAX)	m/m
E	3.2 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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

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ELECTRICAL CHARACTERISTICS FOR SMPI 15080E

Part No.	Inductance (uH) @0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI15080E-2R0M	2.0	100KHz/1V	39.9	51.0	2.29
SMPI15080E-3R0M	3.0	100KHz/1V	34.4	43.0	3.10
SMPI15080E-4R5M	4.5	100KHz/1V	27.0	34.2	4.58
SMPI15080E-5R3M	5.3	100KHz/1V	26.5	33.0	5.22
SMPI15080E-150M	15.0	100KHz/1V	15.0	18.0	15.00

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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