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

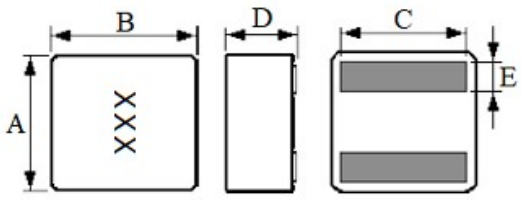
- ndustrial Control Motherboards
- Graphics Cards
- Tablet PCs / Notebooks
- Power Distribution
- DC/DC Converters
- LED Lighting
- Communication Equipment
- Medical Devices

ORDERING CODE

SMPI 15080E– 150 □

- Tolerance (M:±20%)
- Inductance
- Dimension
- Product Symbol

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

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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 ± 20% ；Frequency Test：100KHz/1.0v
3) All test data is referenced to 25℃ ambient.
4) Irms : DC current (A) that will cause an approximate△T of 40℃
5) Isat : DC current (A) that will cause Lo to drop approximately 30%
6) We can design according to customer's request.