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

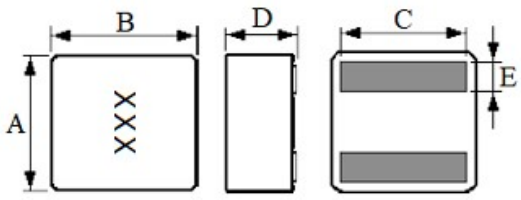
- ndustrial Control Motherboards
- Graphics Cards
- Tablet PCs / Notebooks
- Power Distribution
- DC/DC Converters
- LED Lighting
- Communication Equipment
- Medical Devices

ORDERING CODE

SMPI 06030E– 1R0 □

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

DIMENSIONS UNIT: mm



A	6.4± 0.3	m/m
B	6.6 ± 0.3	m/m
C	5.3 (REF)	m/m
D	3.1 (MAX)	m/m
E	1.4 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 06030E

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI06030E-R18M	0.18	100KHz / 1V	32	39.0	1.75
SMPI06030E-R56M	0.56	100KHz / 1V	22	29.0	3.45
SMPI06030E-1R0M	1.00	100KHz / 1V	18	23.0	6.18
SMPI06030E-2R2M	2.20	100KHz / 1V	10	16.0	14.00
SMPI06030E-3R3M	3.30	100KHz / 1V	8	12.2	20.81
SMPI06030E-4R7M	4.70	100KHz / 1V	8	9.0	28.00

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.