

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI-E TYPE

FEATURES

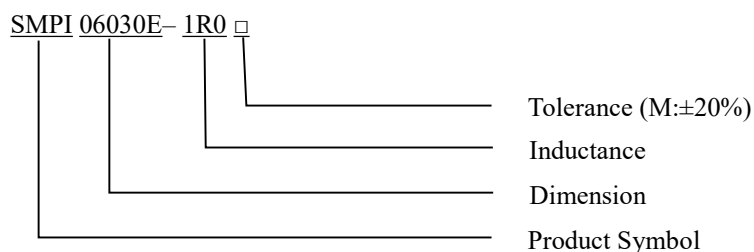
- ◆ Magnetic shielding structure: excellent resistance to electromagnetic interference (EMI).
- ◆ Die-casting by low loss alloy powder: low impedance.
- ◆ High efficiency, wide application frequency and application scope.



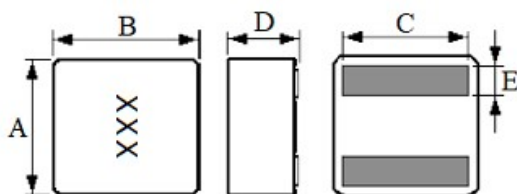
APPLICATIONS

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

ORDERING CODE



DIMENSIONS UNIT: mm



A	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



CORE MASTER ENTERPRISE CO., LTD.

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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 $\pm 20\%$; 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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