

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI-E TYPE

FEATURES

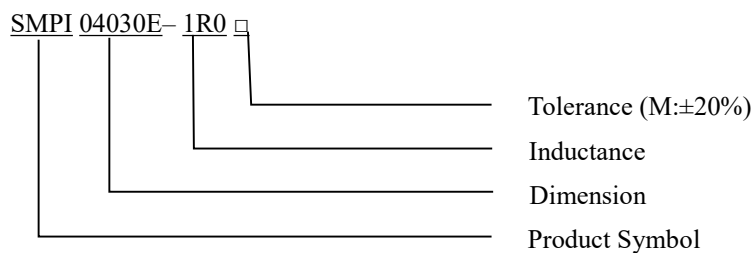
- ◆ Magnetic shielding structure: excellent resistance to electromagnetic interference (EMI).
- ◆ Die-casting by low loss alloy powder: low impedance.
- ◆ High efficiency, wide application frequency and application scope.



APPLICATIONS

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

ORDERING CODE



DIMENSIONS UNIT: mm



A	4.0± 0.3	m/m
B	4.0 ± 0.3	m/m
C	4.0 (REF)	m/m
D	3.1 (MAX)	m/m
E	1.2 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI-E TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 04030E

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI04030E-R15M	0.15	100KHz/1V	26.0	24.0	1.9
SMPI04030E-R30M	0.30	100KHz/1V	24.0	17.0	2.9
SMPI04030E-R47M	0.47	100KHz/1V	21.2	14.2	3.9
SMPI04030E-R68M	0.68	100KHz/1V	14.0	12.0	4.8
SMPI04030E-1R0M	1.0	100KHz/1V	13.0	10.3	7.2
SMPI04030E-1R5M	1.5	100KHz/1V	10.2	8.8	10.5
SMPI04030E-2R2M	2.2	100KHz/1V	8.7	7.0	15.0
SMPI04030E-3R3M	3.3	100KHz/1V	7.5	5.3	32.0
SMPI04030E-4R7M	4.7	100KHz/1V	5.1	5.1	44.1
SMPI04030E-6R8M	6.8	100KHz/1V	4.7	4.0	70.0
SMPI04030E-8R2M	8.2	100KHz/1V	4.2	3.5	55.7
SMPI04030E-100M	10.0	100KHz/1V	3.9	3.2	99.8

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 L_o to drop approximately 30%
- 6) We can design according to customer's request.



CORE MASTER ENTERPRISE CO., LTD.

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