

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

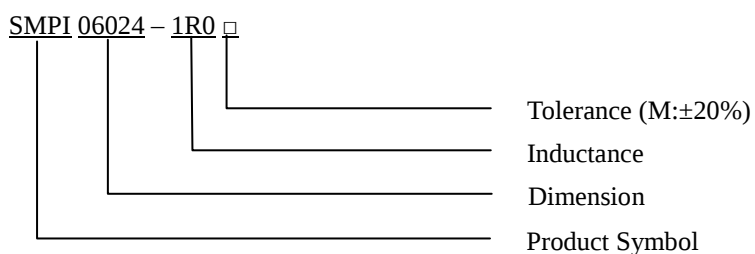
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

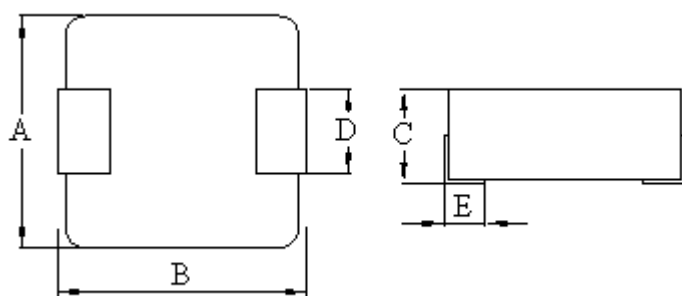
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	6.6 ± 0.3	m/m
B	7.2 ± 0.5	m/m
C	2.4 (MAX)	m/m
D	3.0 ± 0.5	m/m
E	1.6 ± 0.5	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 06024

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI06024-1R0M	1.0	100KHz/0.1V	13.5	12.0
SMPI06024-1R5M	1.5	100KHz/0.1V	20.0	10.0
SMPI06024-2R2M	2.2	100KHz/0.1V	28.0	8.0
SMPI06024-3R3M	3.3	100KHz/0.1V	39.0	7.0
SMPI06024-4R7M	4.7	100KHz/0.1V	50.0	5.5
SMPI06024-100M	10.0	100KHz/0.1V	120.0	3.5

Notes:

- 1) All test Data is referenced to 25°C ambient
- 2) Operating Temperature Range: -40°C to +125°C