

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

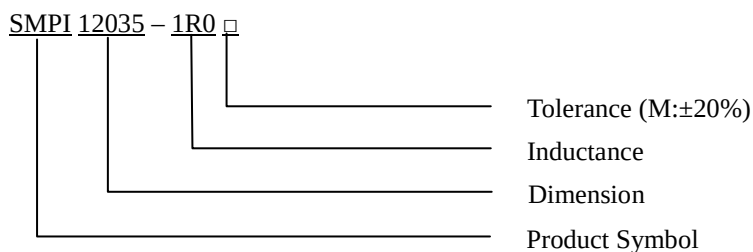
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

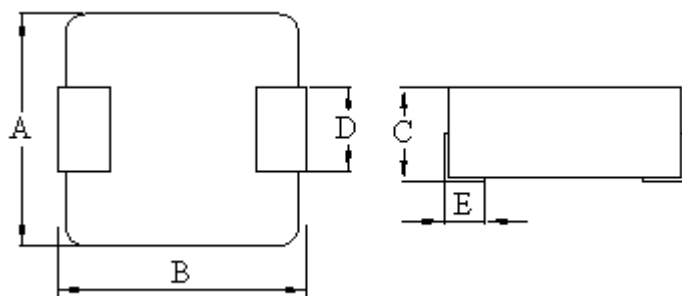
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	12.8 ± 0.5	m/m
B	13.5 ± 1.0	m/m
C	3.5 (MAX)	m/m
D	3.8 ± 0.5	m/m
E	2.5 ± 0.5	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 12035

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI12035-R22M	0.22	100KHz/0.1V	0.8	60
SMPI12035-R47M	0.47	100KHz/0.1V	2.5	30
SMPI12035-R68M	0.68	100KHz/0.1V	3.0	24
SMPI12035-1R0M	1.00	100KHz/0.1V	3.5	24
SMPI12035-1R5M	1.50	100KHz/0.1V	6.2	17
SMPI12035-2R2M	2.20	100KHz/0.1V	7.6	14
SMPI12035-3R3M	3.30	100KHz/0.1V	13.2	12
SMPI12035-4R7M	4.70	100KHz/0.1V	20.0	11
SMPI12035-6R8M	6.80	100KHz/0.1V	30.0	10
SMPI12035-8R2M	8.20	100KHz/0.1V	35.0	9
SMPI12035-100M	10.0	100KHz/0.1V	40.0	8

Notes:

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