

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

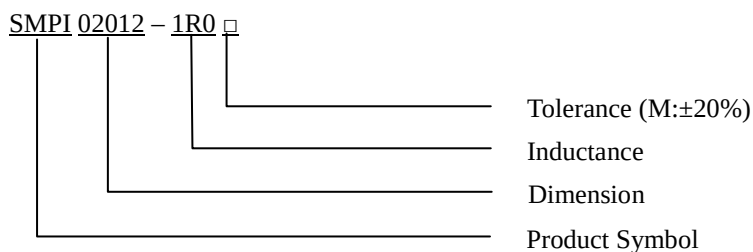
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



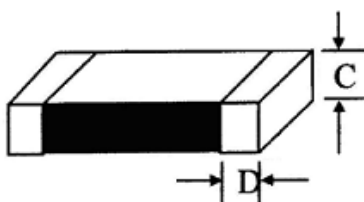
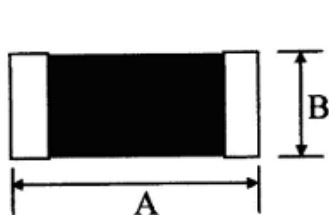
APPLICATIONS

- ◆ 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	2.5 ± 0.2	m/m
B	2.0 ± 0.2	m/m
C	1.2 (MAX)	m/m
D	0.55 ± 0.25	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 02012

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) MAX
SMPI02012-R24M	0.24	1MHz/1V	18	6.50
SMPI02012-R36M	0.36	1MHz/1V	21	5.60
SMPI02012-R47M	0.47	1MHz/1V	25	4.60
SMPI02012-R56M	0.56	1MHz/1V	29	4.50
SMPI02012-R68M	0.68	1MHz/1V	34	4.00
SMPI02012-R82M	0.82	1MHz/1V	39	3.80
SMPI02012-1R0M	1.00	1MHz/1V	45	3.60
SMPI02012-1R5M	1.50	1MHz/1V	72	2.90
SMPI02012-2R5M	2.20	1MHz/1V	98	2.30
SMPI02012-3R3M	3.30	1MHz/1V	134	2.10
SMPI02012-4R7M	4.70	1MHz/1V	210	1.60
SMPI02012-6R8M	6.80	1MHz/1V	300	1.10

Notes:

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