

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

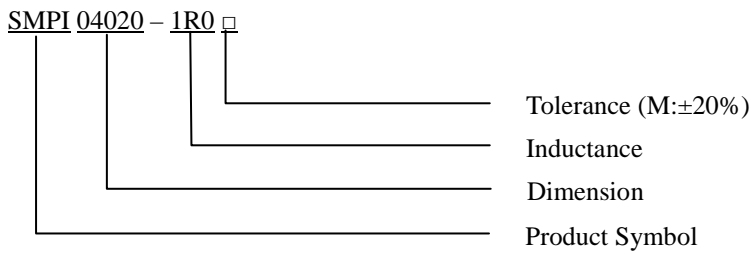
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



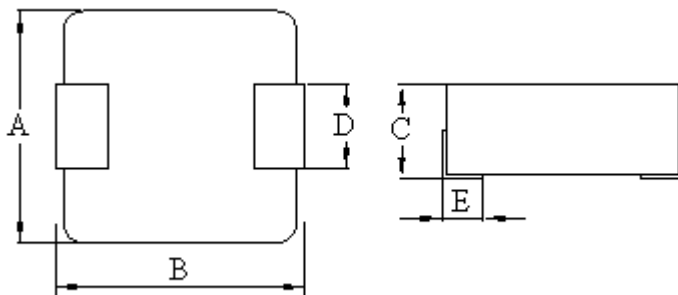
APPLICATIONS

- ◆ 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	4.0 ± 0.3	m/m
B	4.5 ± 0.3	m/m
C	2.0 (MAX)	m/m
D	1.5 ± 0.3	m/m
E	0.8 ± 0.3	m/m

CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR SMPI 04020

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI04020-R10M	0.10	100KHz/0.1V	8	25
SMPI04020-R22M	0.22	100KHz/0.1V	10	14
SMPI04020-R36M	0.36	100KHz/0.1V	12	11
SMPI04020-R47M	0.47	100KHz/0.1V	14	9.5
SMPI04020-R56M	0.56	100KHz/0.1V	20	9.0
SMPI04020-1R0M	1.00	100KHz/0.1V	28	7.0
SMPI04020-1R2M	1.20	100KHz/0.1V	32	7.0
SMPI04020-1R5M	1.50	100KHz/0.1V	38	6.0
SMPI04020-2R2M	2.20	100KHz/0.1V	52	5.0
SMPI04020-3R3M	3.30	100KHz/0.1V	80	4.0
SMPI04020-4R7M	4.70	100KHz/0.1V	150	3.0
SMPI04020-5R6M	5.60	100KHz/0.1V	150	2.0
SMPI04020-6R8M	6.80	100KHz/0.1V	170	2.0
SMPI04020-100M	10.0	100KHz/0.1V	280	2.0

Notes:

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