

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

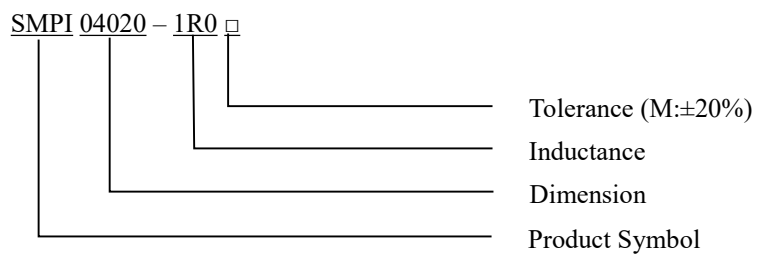
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

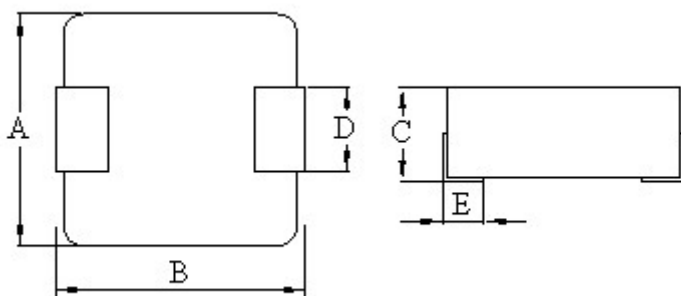
- ◆ Servers.
- ◆ Graphics cards.
- ◆ Various categories of consumer electronics.



ORDERING CODE



DIMENSIONS UNIT: mm



A	4.0 ± 0.3	m/m
B	4.5 ± 0.4	m/m
C	2.0 (MAX)	m/m
D	1.8 (REF)	m/m
E	1.0 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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

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ELECTRICAL CHARACTERISTICS FOR SMPI 04020

Part No.	Inductance (uH) @0A	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI04020-R10M	0.10	100KHz/1V	14	35	4.2
SMPI04020-R15M	0.15	100KHz/1V	11	28	4.5
SMPI04020-R22M	0.22	100KHz/1V	10	25	5.5
SMPI04020-R33M	0.33	100KHz/1V	9.0	17	9.8
SMPI04020-R47M	0.47	100KHz/1V	8.5	15	15
SMPI04020-R56M	0.56	100KHz/1V	8.0	13	15
SMPI04020-R68M	0.68	100KHz/1V	7.0	12	19
SMPI04020-1R0M	1.00	100KHz/1V	6.0	10	28
SMPI04020-1R2M	1.20	100KHz/1V	5.0	9.0	32
SMPI04020-1R5M	1.50	100KHz/1V	4.0	8.0	37
SMPI04020-2R2M	2.20	100KHz/1V	4.0	7.0	60
SMPI04020-3R3M	3.30	100KHz/1V	3.0	6.0	96
SMPI04020-4R7M	4.70	100KHz/1V	3.0	5.0	125
SMPI04020-5R6M	5.60	100KHz/1V	2.5	4.5	155
SMPI04020-6R8M	6.80	100KHz/1V	2.5	4.0	165
SMPI04020-8R2M	8.20	100KHz/1V	2.0	3.0	260
SMPI04020-100M	10	100KHz/1V	1.8	3.0	310

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.



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