

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

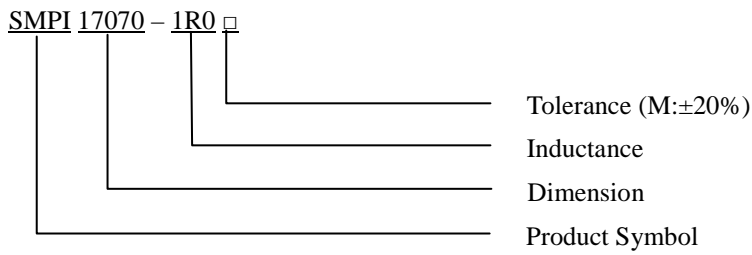
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



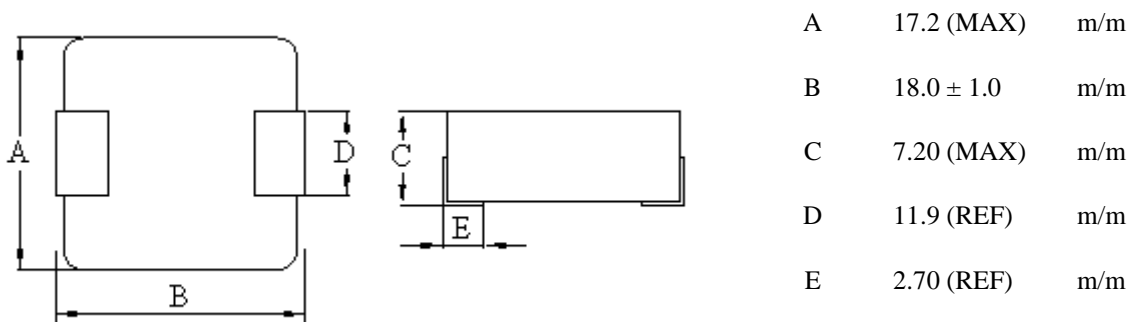
APPLICATIONS

- ◆ 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



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ELECTRICAL CHARACTERISTICS FOR SMPI 17070

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI17070-1R0M	1.0	100KHz/1V	35	60	1.6
SMPI17070-1R5M	1.5	100KHz/1V	33	50	2.5
SMPI17070-2R2M	2.2	100KHz/1V	30	40	3.2
SMPI17070-3R3M	3.3	100KHz/1V	23	30	3.8
SMPI17070-4R7M	4.7	100KHz/1V	20	26	4.8
SMPI17070-5R6M	5.6	100KHz/1V	18	23	5.0
SMPI17070-6R8M	6.8	100KHz/1V	17	22	7.5
SMPI17070-8R2M	8.2	100KHz/1V	16	20	9.0
SMPI17070-100M	10	100KHz/1V	14	18	10
SMPI17070-150M	15	100KHz/1V	12	16	21
SMPI17070-220M	22	100KHz/1V	10	13	25
SMPI17070-330M	33	100KHz/1V	8.0	10	33
SMPI17070-470M	47	100KHz/1V	7.0	9.0	45
SMPI17070-680M	68	100KHz/1V	5.0	8.5	73
SMPI17070-820M	82	100KHz/1V	4.5	8.0	104
SMPI17070-101M	100	100KHz/1V	4.0	7.0	115
SMPI17070-121M	120	100KHz/1V	3.5	5.5	118
SMPI17070-151M	150	100KHz/1V	3.0	5.0	150
SMPI17070-221M	220	100KHz/1V	2.5	4.0	265
SMPI17070-351M	350	100KHz/1V	1.8	3.0	415

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.

CORE MASTER ENTERPRISE CO., LTD.



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