

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

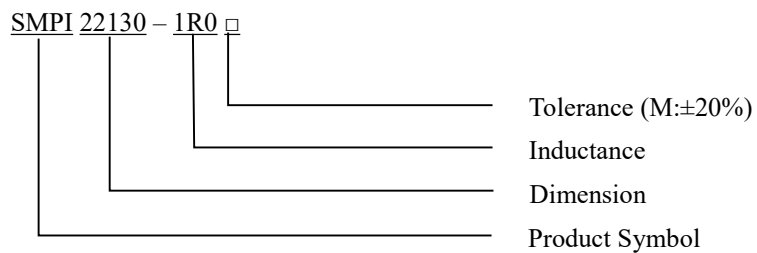
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



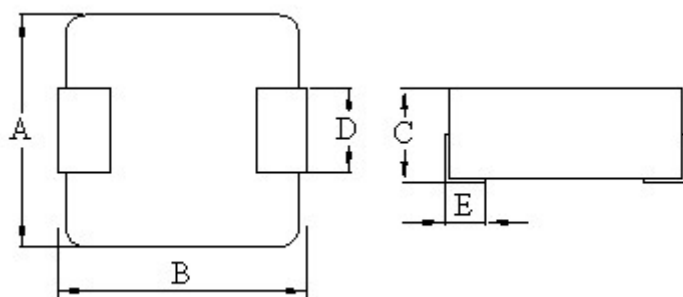
APPLICATIONS

- ◆ 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	22.0 ± 0.3	m/m
B	22.5 ± 0.3	m/m
C	13.0 (MAX)	m/m
D	18.6 (REF)	m/m
E	5.0 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR SMPI 22130

Part No.	Inductance (uH) @0A	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI22130-1R0M	1.0	100KHz/1V	60	75	1.1
SMPI22130-1R5M	1.5	100KHz/1V	55	70	1.2
SMPI22130-2R2M	2.2	100KHz/1V	50	65	1.5
SMPI22130-3R3M	3.3	100KHz/1V	48	60	1.8
SMPI22130-4R7M	4.7	100KHz/1V	45	55	2.0
SMPI22130-5R6M	5.6	100KHz/1V	40	52	2.5
SMPI22130-6R8M	6.8	100KHz/1V	35	42	3.5
SMPI22130-100M	10	100KHz/1V	32	40	4.5
SMPI22130-150M	15	100KHz/1V	22	30	6.8
SMPI22130-220M	22	100KHz/1V	19	26	11.0
SMPI22130-330M	33	100KHz/1V	16	23	17.5
SMPI22130-470M	47	100KHz/1V	13	18	24.0
SMPI22130-560M	56	100KHz/1V	12	16	35.0
SMPI22130-680M	68	100KHz/1V	11	13	38.0
SMPI22130-750M	75	100KHz/1V	10	12	39.0
SMPI22130-820M	82	100KHz/1V	9.0	11	40.0
SMPI22130-101M	100	100KHz/1V	8.0	10	45.0
SMPI22130-151M	150	100KHz/1V	6.0	8.0	80.0
SMPI22130-201M	200	100KHz/1V	5.0	6.0	105
SMPI22130-221M	220	100KHz/1V	4.5	5.5	125
SMPI22130-401M	400	100KHz/1V	2.5	4.0	230

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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