

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMT TYPE

FEATURES

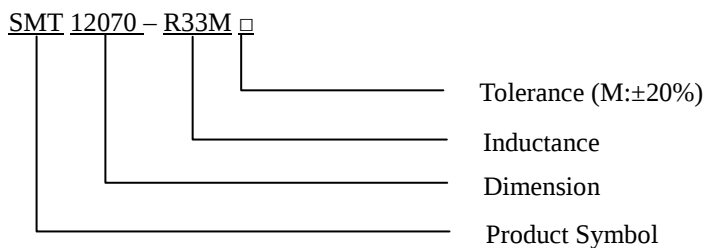
- ◆ High current, low loss of alloy materials.
- ◆ Low profile for machine placement.
- ◆ Magnetically shielded suitable for high density mounting.
- ◆ Suppress common mode noise.
- ◆ High energy storage and low RDC.
- ◆ Custom design available.



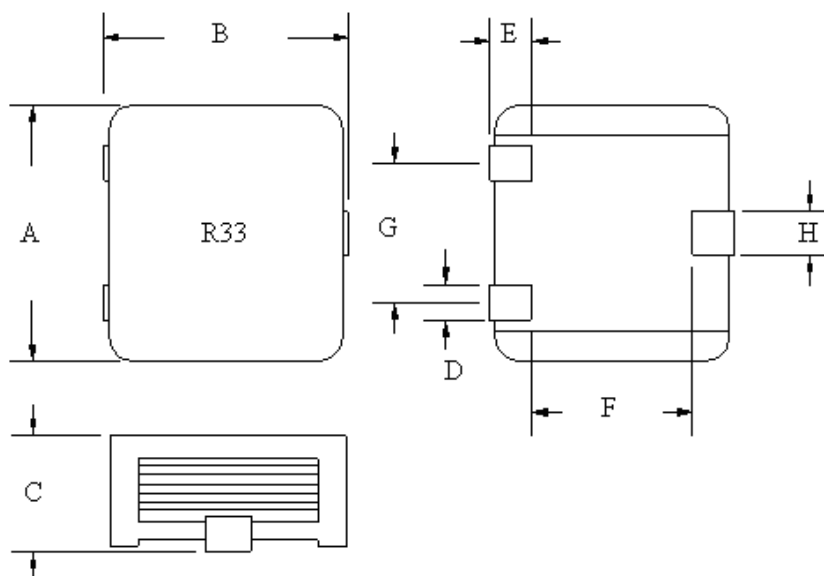
APPLICATIONS

- ◆ 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	12.7 ± 0.5	m/m
B	13.5 ± 1.0	m/m
C	7.0 (MAX)	m/m
E	3.0 ± 1.0	m/m
F	8.0 (REF)	m/m
G	7.8 (REF)	m/m
H	2.5 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMT12070

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SMT12070-R33M	0.33	100KHz/0.1V	1.0	68	3.0
SMT12070-R47M	0.47	100KHz/0.1V	1.0	50	3.0
SMT12070-R68M	0.68	100KHz/0.1V	1.8	50	3.0
SMT12070-R82M	0.82	100KHz/0.1V	1.8	45	3.0
SMT12070-1R0M	1.00	100KHz/0.1V	1.8	30	3.0
SMT12070-1R5M	1.50	100KHz/0.1V	2.3	24	3.0
SMT12070-2R2M	2.20	100KHz/0.1V	3.5	20	3.0
SMT12070-3R3M	3.30	100KHz/0.1V	6.0	19	1.8
SMT12070-4R7M	4.70	100KHz/0.1V	8.0	16	1.8
SMT12070-6R8M	6.80	100KHz/0.1V	12.0	14	1.8
SMT12070-8R2M	8.20	100KHz/0.1V	15.0	12	1.8
SMT12070-100M	10.0	100KHz/0.1V	16.0	10	1.8
SMT12070-120M	12.0	100KHz/0.1V	18.0	9	1.8

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