

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

FEATURES

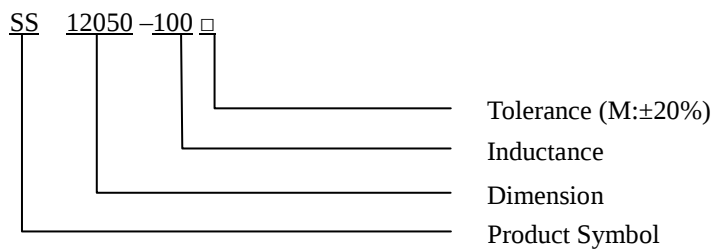
- ◆ High current, low loss of iron powder core.
- ◆ Low profile for machine placement.
- ◆ Minimize electromagnetic interference.
- ◆ Suppress common mode noise.
- ◆ Prevent EMI effect via precise impedance.
- ◆ Custom design available.



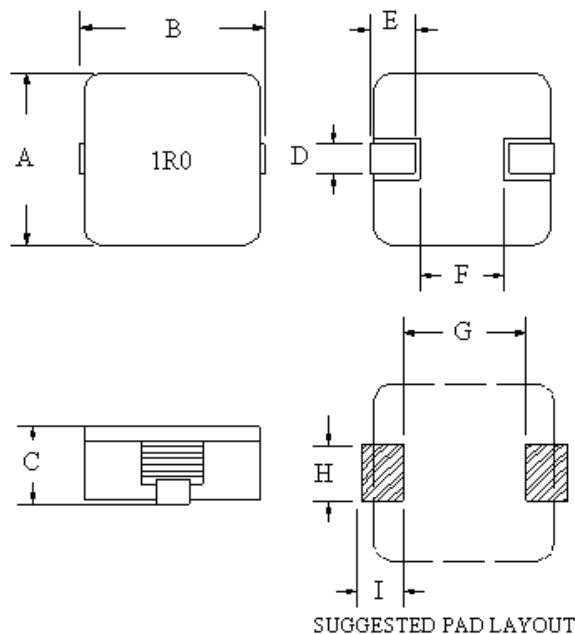
APPLICATIONS

- ◆ Input – output filter application.
- ◆ Energy storage applications.
- ◆ Computer and portable power devices.
- ◆ DC/DC converters.

ORDERING CODE



DIMENSIONS UNIT: mm (inch)



A	12.8 ± 0.5	m/m
B	13.0 ± 1.0	m/m
C	5.0 (MAX)	m/m
D	2.5 ± 0.5	m/m
E	3.0 ± 1.0	m/m
F	7.0 (REF)	m/m
G	6.0 (REF)	m/m
H	5.0 (REF)	m/m
I	4.5 (REF)	m/m

CORE MASTER ENTERPRISE CO., LTD.

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



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ELECTRICAL CHARACTERISTICS FOR SS12050

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SS12050-R19M	0.19	100KHz/0.1V	0.55	60.0
SS12050-R47M	0.47	100KHz/0.1V	0.99	50.0
SS12050-R90M	0.90	100KHz/0.1V	1.76	28.0
SS12050-1R4M	1.40	100KHz/0.1V	2.64	26.0
SS12050-2R3M	2.30	100KHz/0.1V	4.07	17.0
SS12050-3R2M	3.20	100KHz/0.1V	5.83	15.0
SS12050-4R8M	4.80	100KHz/0.1V	11.55	13.0
SS12050-6R0M	6.00	100KHz/0.1V	14.85	11.5
SS12050-8R2M	8.20	100KHz/0.1V	12.76	11.0
SS12050-100M	10.0	100KHz/0.1V	15.51	10.0