

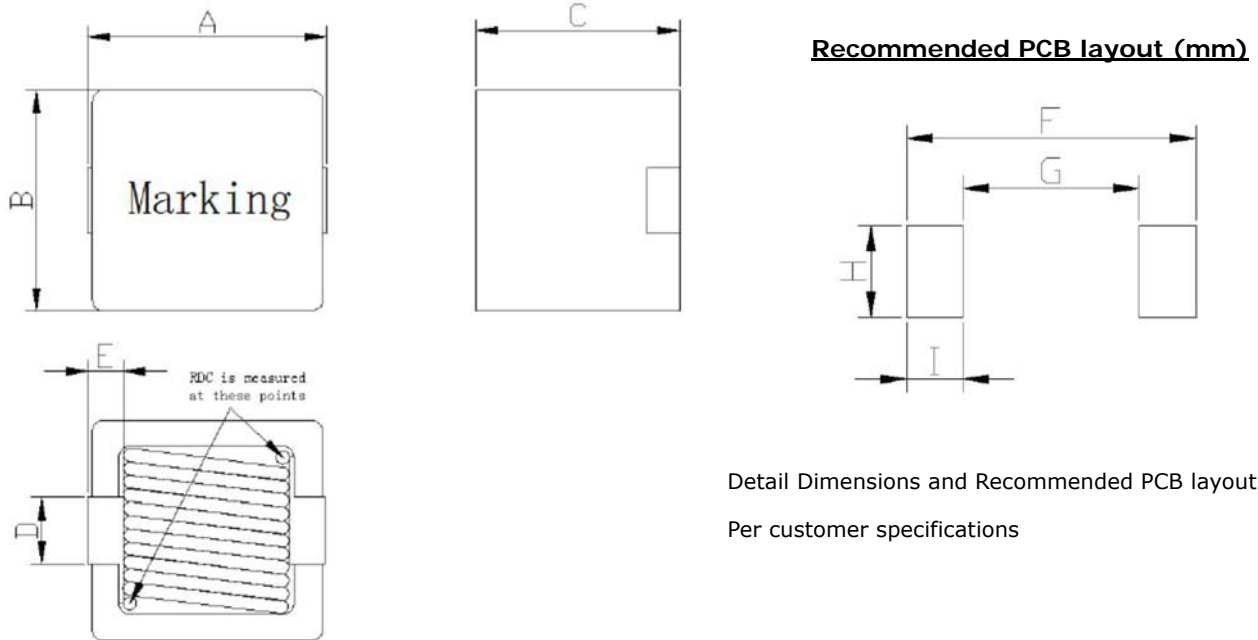
FEATURES

- Low profile
- Low DCR
- Large Current Adaptable
- High Frequency(up to 30MHz)

APPLICATIONS

- Laptop Computer / Notebook Computer
- Graphic Card/ VGA Module
- DC/DC converter or VRM applications
- Thin type on-board power supply module for exchanger
- Inductor for general purpose use

CONFIGLRATIONS & DIMENSIONS (unit in mm)



A	B	C	D	E	F	G	H	I
10.9±0.4	10.0±0.4	9.3±0.4	3.0±0.2	1.6±0.2	11.3	6.9Typ.	3.6Typ.	2.2Typ.

Electrical Characteristics :

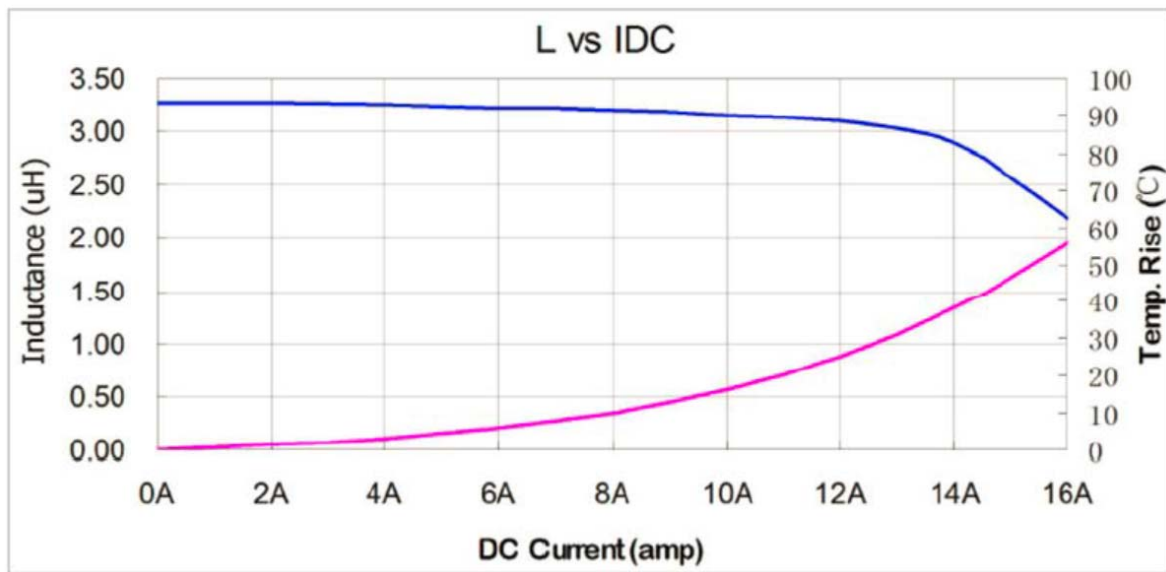
NO	Properties	Test conditions	Value	Unit	Tol
1	Inductance(L)	100 KHz/ 1 V	3.3	μH	±20%
2	Rated current(Isat)	Lower inductance by -30%	15.5	A	max
3	Rated current(Ir)	ΔT = 50 K	14	A	max
4	DC Resistance(Rdc)	@ 20 °C	7.15	mΩ	max
5	Self Resonant Frequency	fres	51	MHz	typ.

Measuring Instrument :

L:GF200BL DCR:TH2511

- It is recommended that the temperature of the part does not exceed 100°C under worst case operating conditions.
- The Part temperature (ambient + ΔT) should not exceed 125°C under worst case operating conditions.
- Storage temperature (on tape & reel): -20°C to +40°C; 70% RH Max.
- Test conditions of Electrical Properties: 20°C, 33% RH
- Shelf Life: 1 year from date of manufacture. Recommended to be used within 1 year after receiving. In case of exceeded, solderability shall be check before use.
- Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.

PERFORMANCE CURVES



Frequency(KHZ)	1	10	20	50	100	200	1000	2000	5000	10000	20000	30000
Inductance(μH)	3.60	3.59	3.55	3.44	3.30	3.21	3.11	3.09	3.12	3.17	3.52	4.25
Impedance(Ω)	0.023	0.226	0.447	1.085	2.087	4.04	19.59	38.95	98	200	446	839

