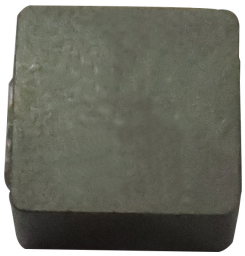
SMD Power Inductor

multicomp PRO

RoHS Compliant

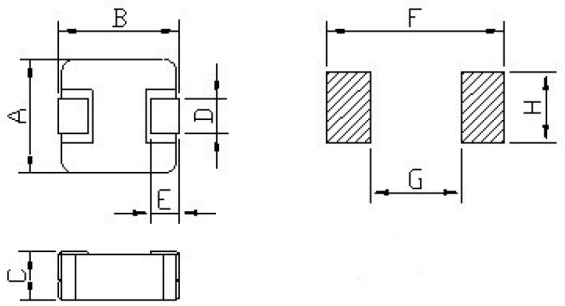


Features

- 6.6mm × 7.1mm foot Print, 3mm Max. height SMD Power Inductor for high frequency application.
- High saturation current characteristics by distributed gapped metal dust core.
- Ideal for computers servers, workstations, VGA card, Telecommunication Equipment, voltage-regulator modules & High Density DC to DC converter Board.
- Lower DC resistance for higher current application.
- Tape & Reel Quantity: 1,000 piece per 13 inches reel.
- Operating Temperature Range -55°C to + 125°C.

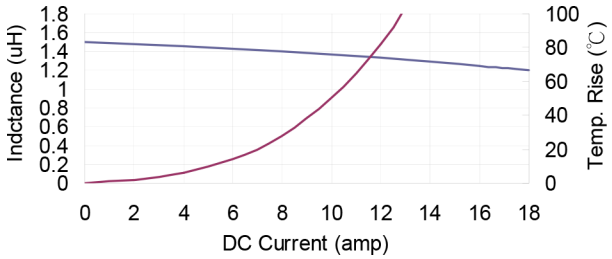
Dimensions : Millimetres

Mechanical Dimensions



A ± 0.20	B ± 0.30	C Max	D ± 0.30	E ± 0.50	F Ref	G Ref	H Ref
6.60	7.10	3.00	3.00	1.60	7.40	3.70	3.50

Electrical Characteristics:



Notes:

1.Open Circuit Inductance(OCL) and L@ Irms and L @Isat are measured at: 100KHz, 1.0V ;(Ta=25°C).

2.Isat: DC current that causes inductance to drop approximately by 30% from OCL ;(Ta=25°C).

3.Irms: DC current for an approximate temperature rise of 40°C without core loss. Derating is necessary for AC currents, PCB pad layout, trace thickness and width, air-flow and proximity of other heat generating components will affect the temperature rise. It is recommended the part temperature not exceed 125°C under worst case operating conditions verified in the end application.

4.Inductance vs. DC Current vs. Temperature Curve, please see the next page to get more detail information.

Part Number	OCL Inductance (uH) ±20%	DCR (mΩ) Typ.	DCR (mΩ) Max.	Irms (AMP)	Isat (AMP)
MP006796	1.5	14	15	9	18