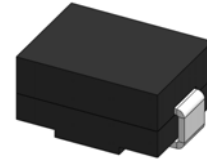


FEATURES

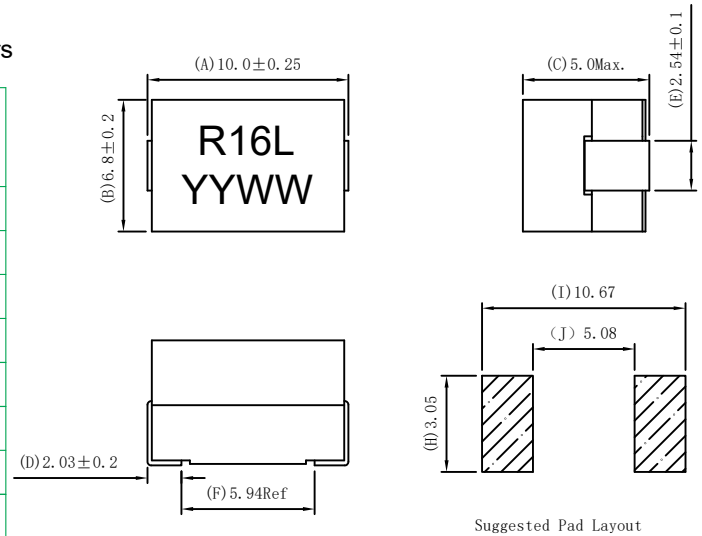
- RoHS compliant
- Super low resistance
- Designed for high current power supply applications
- Ferrite core material Magnetic shield construction provide good EMI
- Tape & reel packing
- Solder profile acc.J-STD-020D



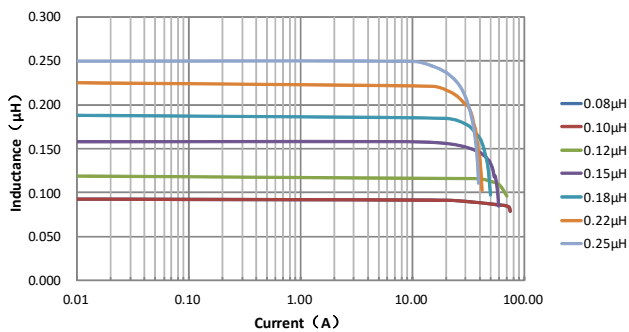
APPLICATIONS

- High current DC-DC converters
- Telecom soft switches, Base stations
- Battery powered devices
- VRM, multi-phase buck regulators
- PDA, Notebook computers, PC Workstations, Routers, Servers

Part number	Inductance (μH)	Tolerance (±%)	DCR (mΩ)	Isat (A)	Irms (A) Typ
MHB1005SGR08K	0.08	10	0.23±8%	90	37
MHB1005SGR10K	0.10	10	0.23±8%	73	37
MHB1005SGR12K	0.12	10	0.23±8%	60	37
MHB1005SGR15K	0.15	10	0.23±8%	47	37
MHB1005SGR16L	0.16	15	0.23±8%	45	37
MHB1005SGR20K	0.20	10	0.23±8%	43	37
MHB1005SGR22K	0.22	10	0.23±8%	33	37
MHB1005SGR25K	0.25	10	0.23±8%	25	37



Typical L vs Current



YY WW
Year Week

Dimensions are in

ABSOLUTE MAXIMUM RATINGS

Operating temperature rang -40°C to +125°C
(including self-temperature rise)
Storage temperature rang -40°C to +125°C

SOLDERING INFORMATION

Peak reflow temperature 250°C
Pin finish Matte tin
Moisture sensitivity level 1

PACKAGING INFORMATION

Tape&Reel 1000pcs per reel
Weigh 1.5g/pcs

Notes

1. Electrical specification at 25°C.
2. Inductance tested at 500 kHz, 1.0Vrms.
3. Isat is the DC current at which inductance drop approximately 20% from its value without current.
4. Irms is the current that caused a approx 45°C temperature rise from 25°C ambient.