

FEATURES

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

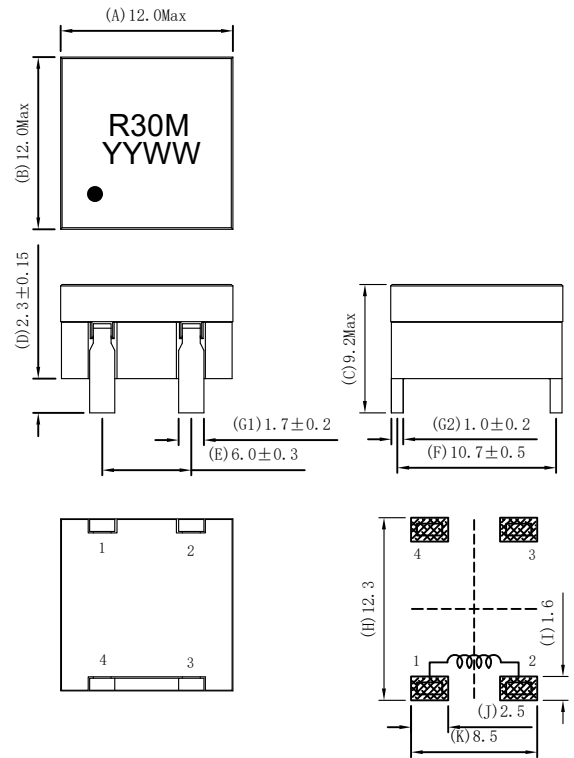
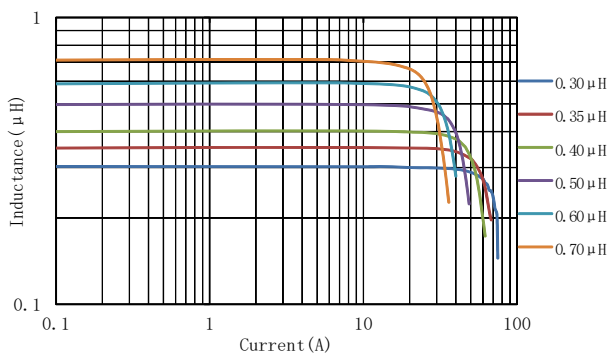


APPLICATIONS

- 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) MIN	Irms (A)
MHB1207SGR30M	0.30	20	0.50±10%	0.216 μH@67A	36
MHB1207SGR35M	0.35	20	0.50±10%	0.252 μH@57A	36
MHB1207SGR40M	0.40	20	0.50±10%	0.288 μH@50A	36
MHB1207SGR50M	0.50	20	0.50±10%	0.360 μH@40A	36
MHB1207SGR60M	0.60	20	0.50±10%	0.432 μH@33A	36
MHB1207SGR70M	0.70	20	0.50±10%	0.504 μH@28A	36

Typical L vs Current



YY WW
Year Week

Suggested Pad Layout

Dimensions are in

ABSOLUTE MAXIMUM RATINGS

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

SOLDERING INFORMATION

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

PACKAGING INFORMATION

Tape&Reel	250pcs per reel
Weigh	4.6g/pcs

Notes

1. Electrical specification at 25°C.
2. Inductance tested at 500 kHz, 1.0Vrms.
3. I_{rms} is the current that caused a approx 45°C temperature rise from 25°C ambient.