

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

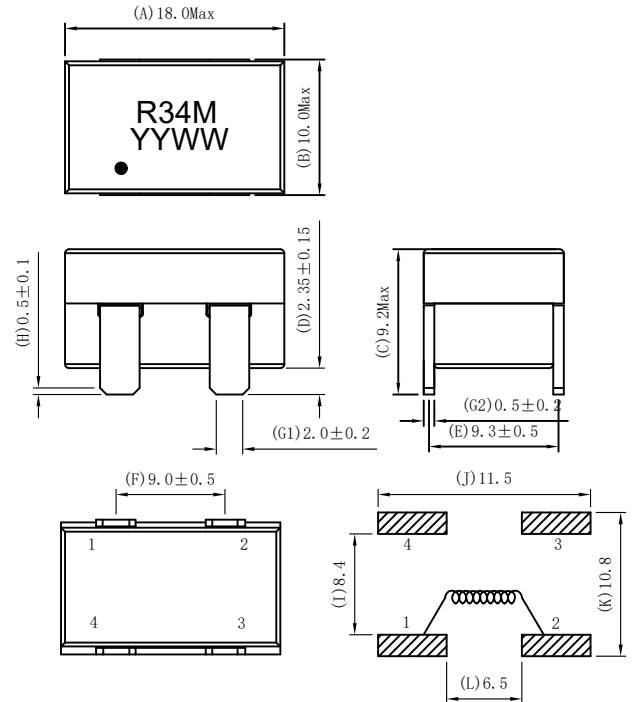
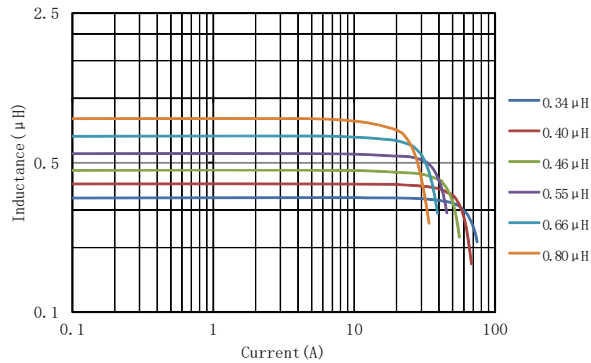


APPLICATIONS

- 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)
MHB1807SGR34M	0.34	20	0.50±10%	0.247 μH@59A	43
MHB1807SGR40M	0.40	20	0.50±10%	0.291 μH@50A	43
MHB1807SGR46M	0.46	20	0.50±10%	0.335 μH@44A	43
MHB1807SGR60M	0.55	20	0.50±10%	0.40 μH@37.5A	43
MHB1807SGR66M	0.66	20	0.50±10%	0.48 μH@29A	43
MHB1807SGR80M	0.80	20	0.50±10%	0.582 μH@23A	43

Typical L vs Current



YY WW
Year Week
Suggested Pad Layout
Dimensions are in mm

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	350pcs per reel
Weigh	5.5g/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.