

FEATURES

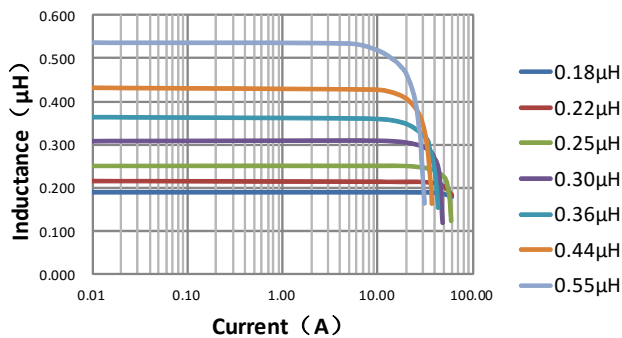
- RoHS compliant
- Super low resistance
- Designed for high current power supply applications
- Ferrite core material Magnetic shield construction provide good EMI
- Tape & reel packing
- Solder profile acc.J-STD-020D

APPLICATIONS

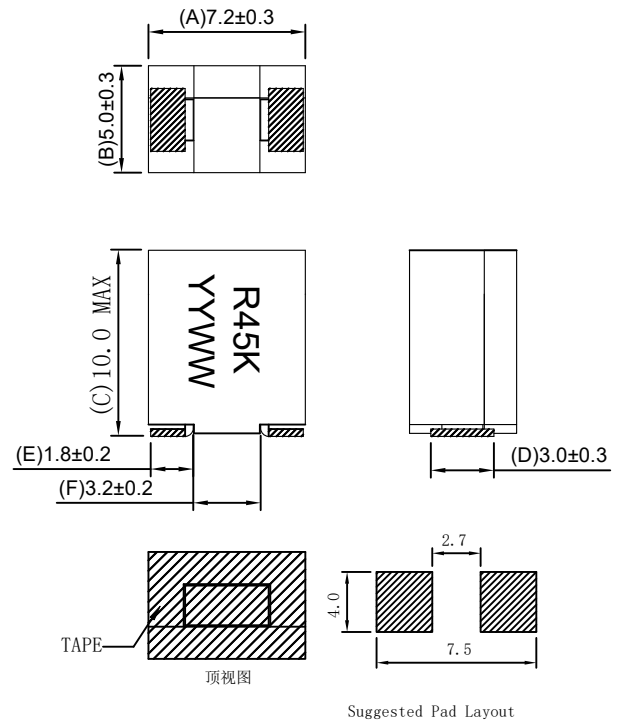
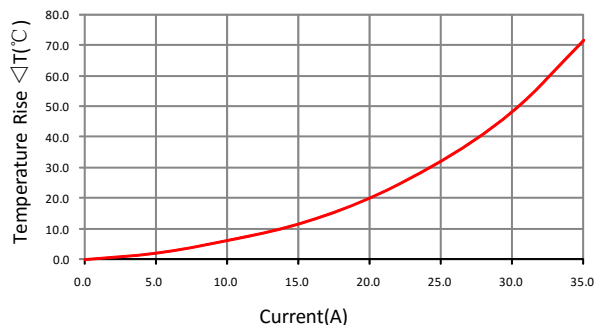
- High current DC-DC converters
- Telecom soft switches, Base stations
- Battery powered devices
- VRM, multi-phase buck regulators
- PDA, Notebook computers, PC Workstations, Routers, Servers

Part number	Inductance (μH)	Tolerance (±%)	DCR (mΩ)	Isat (A)	Irms (A) Typ
MHB0710SGR18K	0.18	10	0.6±10%	60	26
MHB0710SGR20K	0.20	10	0.6±10%	54	26
MHB0710SGR22K	0.22	10	0.6±10%	43	26
MHB0710SGR27K	0.27	10	0.6±10%	36	26
MHB0710SGR33K	0.33	10	0.6±10%	29	26
MHB0710SGR37K	0.37	10	0.6±10%	23	26
MHB0710SGR45K	0.45	10	0.6±10%	20	26

Typical L vs Current



Temperature Rise vs Current



ABSOLUTE MAXIMUM RATINGS

Operating temperature rang (including self-temperature rise)	-40°C to +125°C
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	500pcs per reel
Weigh	1.73g/pcs

Notes

1. Electrical specification at 25°C.
2. Inductance tested at 100 kHz, 1.0Vrms.
3. Isat is the DC current at which inductance drop 20% from its value without current.
4. Iirms is the current that caused a approx 40°C temperature rise from 25°C ambient.