

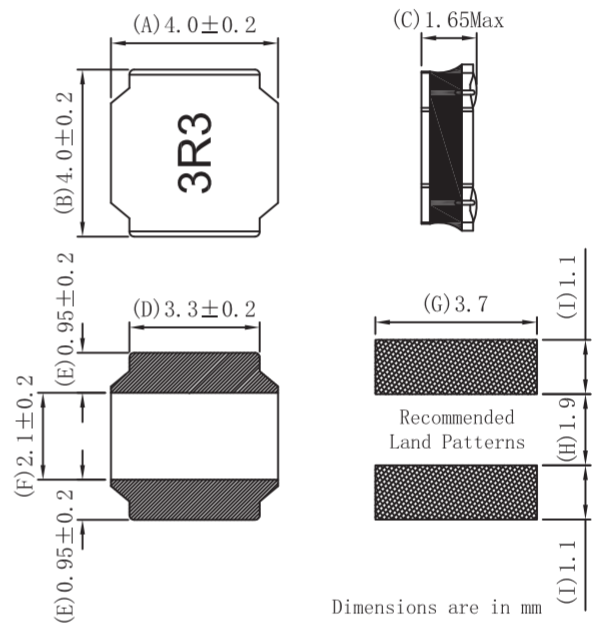
FEATURES

- RoHS compliant
- Small size (4.0*4.0mm), low profile (Height: 1.65mm Max)
- Surface mount design
- Magnetic shield construction with magnetic powder resin
- Good EMI
- High saturation current
- Inductance range from 1.5uH to 22uH
- Tape & reel packing
- UL94V-0
- Solder profile acc. J-STD-020D

APPLICATIONS

- DC-DC Converters
- Cell phones
- LCD displays
- Office automotive
- Notebook computers
- PDAs

Part number	Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	SRF Min (MHz)	Isat (A)	Irms (A)
MDRH4015SG1R5N	1.5	30	40	90	2.70	2.20
MDRH4015SG2R2M	2.2	20	53	67	2.10	2.00
MDRH4015SG3R3M	3.3	20	75	54	1.90	1.80
MDRH4015SG4R7M	4.7	20	100	44	1.45	1.35
MDRH4015SG6R8M	6.8	20	135	38	1.30	1.20
MDRH4015SG100M	10	20	200	32	1.10	1.00
MDRH4015SG150M	15	20	300	26	0.90	0.85
MDRH4015SG220M	22	20	400	20	0.72	0.68



ABSOLUTE MAXIMUM RATINGS

Operating temperature rang	-40 °C to +125 °C
(Including coil' self temperature rise)	
Storage temperature rang	-40 °C to +125 °C

SOLDERING INFORMATION

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

PACKAGING INFORMATION

Tape&Reel	3000pcs per reel
Weight	0.13g/pcs

Notes

1. Electrical specification at 25 °C.
2. Inductance tested at 100 kHz, 0.25Vrms.
3. Isat is the DC current at which inductance drop 30% max from its value without current.
4. I rms is the current that caused a approx 40 °C temperature rise from 25 °C ambient.