

FEATURES

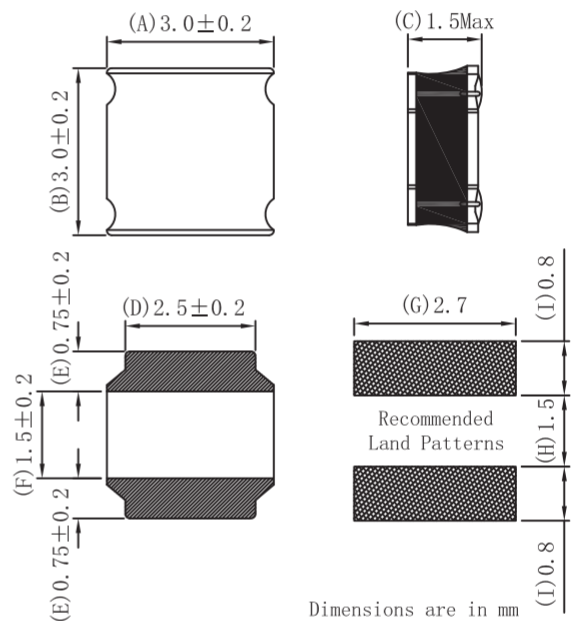
- RoHS compliant
- Small size (3.0*3.0mm), low profile (Height: 1.5mm Max)
- Surface mount design
- Magnetic shield construction with magnetic powder resin
- Good EMI
- High saturation current
- Inductance range from 1.0uH to 22uH
- Tape & reel packing
- UL94V-0
- Solder profile acc. J-STD-020D



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)
MDRH3015SG1R0N	1.0	30	37	100	2.32	2.10
MDRH3015SG1R5N	1.5	30	50	87	2.00	1.82
MDRH3015SG2R2N	2.2	30	60	64	1.60	1.60
MDRH3015SG3R3M	3.3	20	80	49	1.32	1.36
MDRH3015SG4R7M	4.7	20	125	40	1.10	1.09
MDRH3015SG6R8M	6.8	20	200	36	0.87	0.88
MDRH3015SG100M	10	20	250	28	0.72	0.77
MDRH3015SG220M	22	20	460	20	0.52	0.57



ABSOLUTE MAXIMUM RATINGS

Operating temperature rang (Including coil' 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	Hot dipped tin
Moisture sensitivity level	1

PACKAGING INFORMATION

Tape&Reel	2000pcs per reel
Weight	0.05g/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. Irms is the current that caused a approx 40 °C temperature rise from 25 °C ambient.