

FEATURES

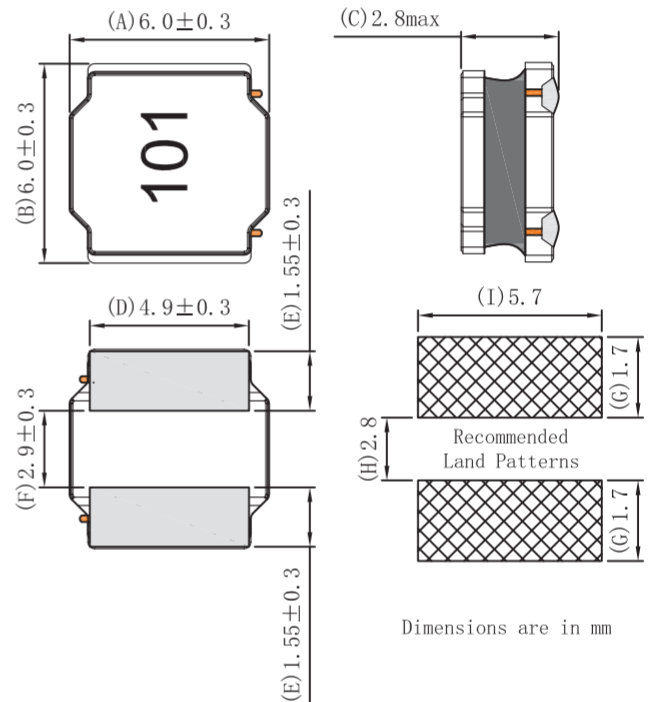
- RoHS compliant
- Small size (6.0*6.0mm), low profile (Height: 2.8mm Max)
- Surface mount design
- Magnetic shield construction with magnetic powder resin
- Good EMI
- High saturation current
- Inductance range from 1.0uH to 100uH
- Tape & reel packing
- UL94V-0
- Solder profile acc. J-STD-020D



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)
MDRH6028SG1R0N	1.0	30	12	85	6.70	4.60
MDRH6028SG1R5N	1.5	30	16	78	6.00	4.30
MDRH6028SG2R2N	2.2	30	20	68	5.10	3.75
MDRH6028SG3R3N	3.3	30	25	54	3.63	3.40
MDRH6028SG4R7N	4.7	30	33	39	3.00	3.00
MDRH6028SG5R6M	5.6	30	45	36	2.80	2.45
MDRH6028SG6R8M	6.8	20	56	30	2.60	2.40
MDRH6028SG8R2M	8.2	20	68	25	2.40	2.25
MDRH6028SG100M	10	20	78	20	2.05	1.90
MDRH6028SG120M	12	20	88	18	1.80	1.70
MDRH6028SG150M	15	20	125	17	1.75	1.50
MDRH6028SG180M	18	20	130	14	1.55	1.45
MDRH6028SG220M	22	20	140	12	1.45	1.40
MDRH6028SG270M	27	20	180	11	1.40	1.30
MDRH6028SG330M	33	20	220	10	1.35	1.10
MDRH6028SG470M	47	20	280	8	1.15	1.05
MDRH6028SG680M	68	20	450	5	0.95	0.85
MDRH6028SG820M	82	20	550	4	0.80	0.70
MDRH6028SG101M	100	20	670	3	0.65	0.60



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 2000pcs per reel
Weight 0.38g/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.