

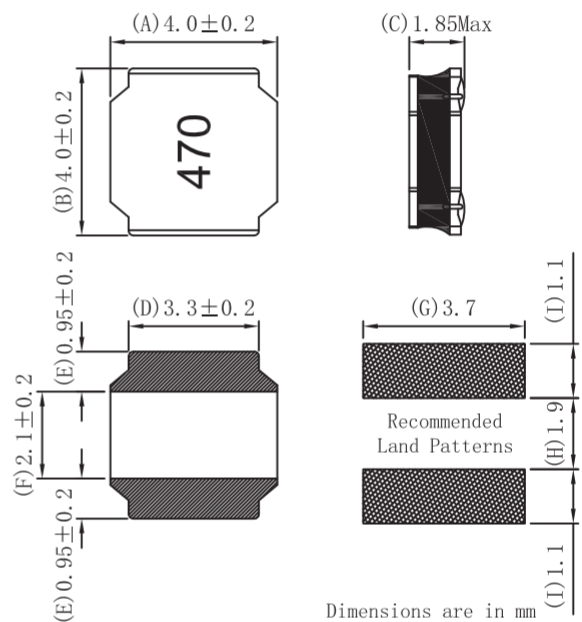
FEATURES

- RoHS compliant
- Small size (4.0*4.0mm), low profile (Height: 1.85mm Max)
- Surface mount design
- Magnetic shield construction with magnetic powder resin
- Good EMI
- High saturation current
- Inductance range from 1.0uH to 47uH
- 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)
MDRH4018SG1R0N	1.0	30	23	80	4.50	3.20
MDRH4018SG1R5N	1.5	30	33	63	3.35	2.34
MDRH4018SG2R2M	2.2	20	44	52	3.00	2.20
MDRH4018SG3R3M	3.3	20	70	44	2.45	2.00
MDRH4018SG4R7M	4.7	20	90	34	2.00	1.70
MDRH4018SG5R6M	5.6	20	103	32	1.75	1.50
MDRH4018SG6R8M	6.8	20	124	29	1.60	1.45
MDRH4018SG7R5M	7.5	20	260	27	1.50	1.10
MDRH4018SG100M	10	20	200	24	1.30	1.20
MDRH4018SG150M	15	20	268	19	1.10	0.92
MDRH4018SG220M	22	20	390	16	0.90	0.80
MDRH4018SG330M	33	20	560	12	0.70	0.60
MDRH4018SG470M	47	20	756	10	0.57	0.50



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. Irms is the current that caused a approx 40 °C temperature rise from 25 °C ambient.