

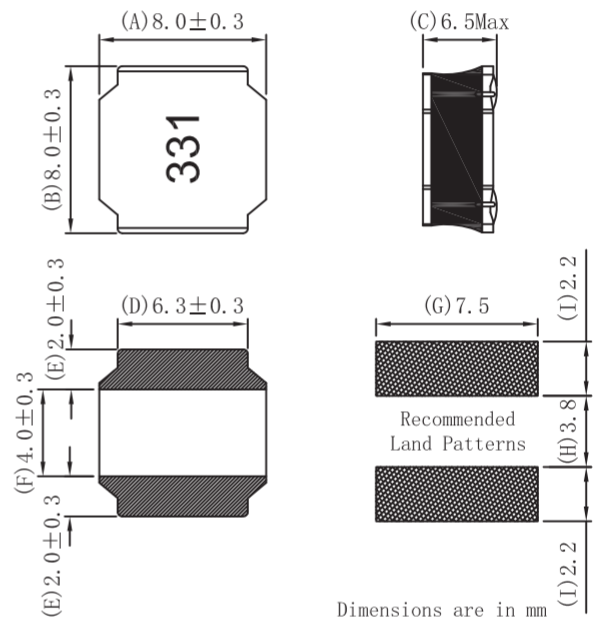
## FEATURES

- RoHS compliant
- Small size (8.0\*8.0mm), low profile (Height: 4.2mm Max)
- Surface mount design
- Magnetic shield construction with magnetic powder resin
- Good EMI
- High saturation current
- Inductance range from 1.0uH to 330uH
- 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 (Ω) ±30%	SRF Min (MHz)	Isat (A)	Irms (A)
MDRH8065SG1R0M	1.0	20	0.008	96	20.0	7.0
MDRH8065SG2R2M	2.2	20	0.012	35	12.5	5.5
MDRH8065SG3R3M	3.3	20	0.015	27	9.5	5.1
MDRH8065SG4R7M	4.7	20	0.018	18	8.5	4.7
MDRH8065SG5R6M	5.6	20	0.022	17	8.0	4.5
MDRH8065SG6R8M	6.8	20	0.022	16	7.5	4.5
MDRH8065SG8R2M	8.2	20	0.026	15	7.0	4.2
MDRH8065SG100M	10	20	0.037	13	6.0	3.2
MDRH8065SG220M	22	20	0.054	8	4.3	2.85
MDRH8065SG331M	330	20	0.85	1.8	1.0	0.65
MDRH8065SG431M	430	20	1.0	1.5	0.95	0.61
MDRH8065SG102M	1000	20	2.35	1.1	0.65	0.40
MDRH8065SG152M	1500	20	3.65	0.7	0.54	0.32
MDRH8065SG222M	2200	20	5.0	0.7	0.45	0.27
MDRH8065SG332M	3300	20	7.3	0.7	0.36	0.23
MDRH8065SG472M	4700	20	12.15	0.4	0.29	0.18
MDRH8065SG682M	6800	20	18.7	0.4	0.26	0.14
MDRH8065SG103M	10000	20	22.8	0.4	0.20	0.13



## 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 600pcs per reel  
Weight 1.5g/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.