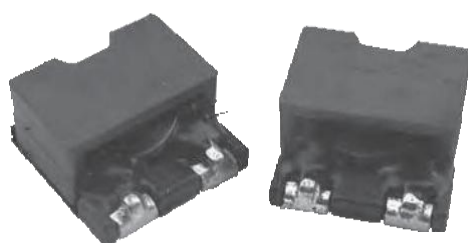


MGT-587

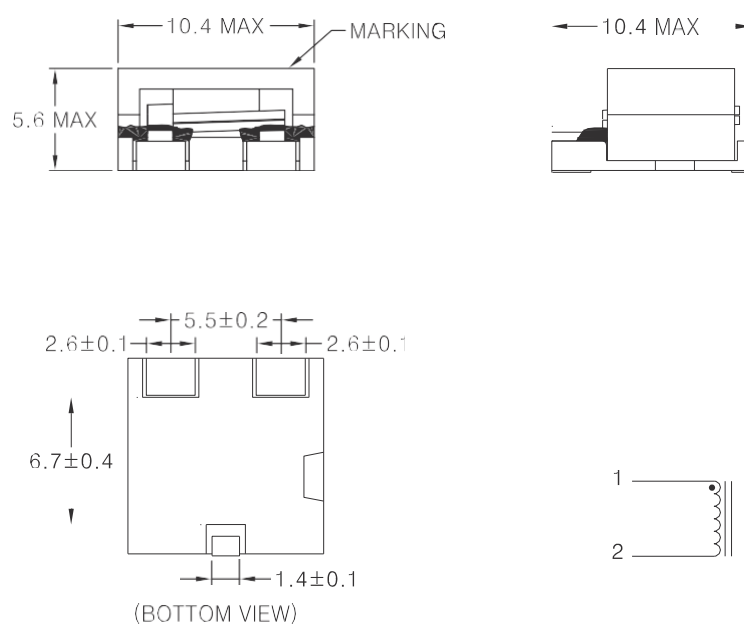
SERIES

SMD Power Inductors



- High inductance. High DC current capability.
- Surface mount design.
- Packaging standard, per 13" Reel .
- RoHS compliant component.

Mechanical Dimensions:



UNIT : mm

Electrical Specifications at 25°C

Part Number	Inductance (±20% uH)	Dc resistance (typ Ω)	Isat ² (A)
MGT – 587 – R30	0.30	1.7	19.0
MGT – 587 – R80	0.80	2.4	16.0
MGT – 587 – 1R4	1.40	4.1	12.0
MGT – 587 – 2R2	2.20	5.3	9.6
MGT – 587 – 3R2	3.20	7.5	7.8
MGT – 587 – 4R3	4.30	10.5	6.8
MGT – 587 – 5R7	5.70	12.4	5.8
MGT – 587 – 7R2	7.20	18.0	5.3
MGT – 587 – 8R8	8.80	23.8	4.8

1. Open circuit inductance test parameters : 100KHz, 0.1Vrms.
Tolerance 0.5uH Max ±30% ,0.5uH Min ±20%.
2. Isat : DC current at which the inductance drops 30% (typ) from its value without current.
3. Operating temperature range - 40°C to + 85°C.
4. Storage temperature range : - 40°C to + 125°C.