

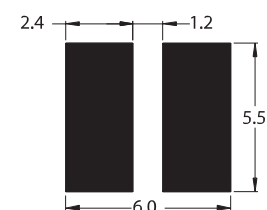
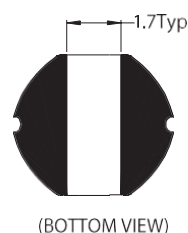
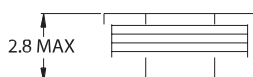
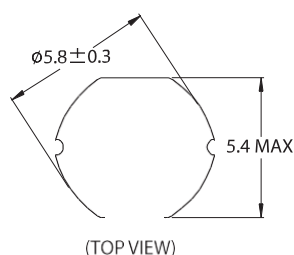
MGT-543^{SERIES}

SMD Power Inductors



- Very low profile - only 5.4 x 5.8 x 2.8 mm (high)
- Very low DCR and high-energy storage
- Low cost for wide application
- Custom versions available upon request
- Tape & Reel package

Mechanical Dimensions:



RECOMMENDED PCB LAYOUT

UNIT:mm

		DCR 20 °C (Ω max.)	
MGT – 543 – 1R2	1.20	0.050	4.20
MGT – 543 – 1R5	1.50	0.060	4.00
MGT – 543 – 1R8	1.80	0.065	3.70
MGT – 543 – 2R2	2.20	0.070	3.50
MGT – 543 – 2R7	2.70	0.080	3.20
MGT – 543 – 3R3	3.30	0.100	2.70
MGT – 543 – 3R9	3.90	0.120	2.40
MGT – 543 – 4R7	4.70	0.140	2.00
MGT – 543 – 5R6	5.60	0.150	1.80
MGT – 543 – 6R8	6.80	0.160	1.50
MGT – 543 – 8R2	8.20	0.170	1.40
MGT – 543 – 100	10.0	0.200	1.30
MGT – 543 – 120	12.0	0.230	1.10
MGT – 543 – 150	15.0	0.250	1.05
MGT – 543 – 180	18.0	0.300	1.00
MGT – 543 – 220	22.0	0.350	0.90
MGT – 543 – 270	27.0	0.400	0.85
MGT – 543 – 330	33.0	0.500	0.75
MGT – 543 – 390	39.0	0.550	0.70
MGT – 543 – 470	47.0	0.650	0.60
MGT – 543 – 560	56.0	0.750	0.55
MGT – 543 – 680	68.0	0.950	0.50
MGT – 543 – 820	82.0	1.200	0.45
MGT – 543 – 101	100.0	1.400	0.40
MGT – 543 – 121	120.0	1.750	0.35
MGT – 543 – 151	150.0	2.000	0.25
MGT – 543 – 181	180.0	2.600	0.22
MGT – 543 – 221	220.0	3.000	0.20
MGT – 543 – 271	270.0	3.700	0.18
MGT – 543 – 331	330.0	4.300	0.17
MGT – 543 – 391	390.0	6.000	0.16
MGT – 543 – 471	470.0	6.700	0.15

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc.

Tolerance 1.2 H, 8.2 H 15%, 10 H 10%, 470.0 H 10% ~ μ ±

2. Inductance drop = 10% typ. at rated Isat.

3. ΔT = 45 rise typ.

4. Operating temperature range -40 to +85 °C

5. Electrical specifications at 25 °C

