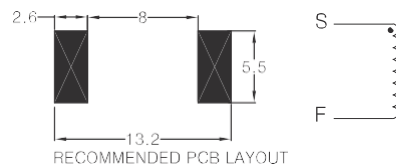
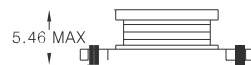
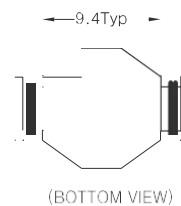
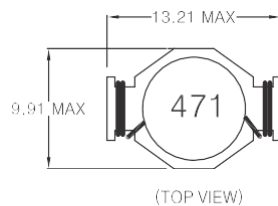


MGT-536A_{SERIES}

SMD Power Inductors



- Unshielded drum core.
- Height: 5.46mm Max (5.97mm Max for 1.0~10uH)
(5.72mm Max for 15~100uH)
- Foot print: 9.91x13.21mm Max.
- Current rating: Up to 10A
- Inductance range: 1.0uH to 2.2mH



UNIT : mm

Electrical Specifications at 25°C

Part Number	Inductance ¹ (uH ± 20%)	Dc resistance (mΩ Max.)	Isat ² (ADC Max.)	SRF (MHz Min)
MGT – 536A – 1R0	1.00	2.5	10.0	40
MGT – 536A – 1R5	1.50	3.5	8.50	35
MGT – 536A – 2R2	2.20	5.5	8.00	30
MGT – 536A – 3R3	3.30	7.5	6.80	25
MGT – 536A – 4R7	4.70	12.0	5.80	22
MGT – 536A – 6R8	6.80	16.0	4.60	16
MGT – 536A – 100	10.0	23.5	3.80	12
MGT – 536A – 150	15.0	37.0	3.20	10
MGT – 536A – 220	22.0	57.5	2.60	8.0
MGT – 536A – 330	33.0	76.5	2.00	6.0
MGT – 536A – 470	47.0	118	1.80	5.0
MGT – 536A – 680	68.0	151	1.45	4.0
MGT – 536A – 820	82.0	201	1.30	3.5
MGT – 536A – 101	100.0	251	1.20	2.5
MGT – 536A – 151	150.0	384	1.00	2.0
MGT – 536A – 221	220.0	518	0.84	1.5
MGT – 536A – 331	330.0	874	0.69	1.2
MGT – 536A – 471	470.0	1250	0.56	1.0
MGT – 536A – 681	680.0	1849	0.46	0.80
MGT – 536A – 102	1000.0	2800	0.39	0.50
MGT – 536A – 152	1500.0	4367	0.32	0.45
MGT – 536A – 222	2200.0	6108	0.26	0.40

1. Inductance tested at 100 KHz , 0.1 Vrms , 0 ADC.

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

3. Reflow solder rating, 245°C for 10 sec.

4. Operating temperature range - 40°C to + 130°C.