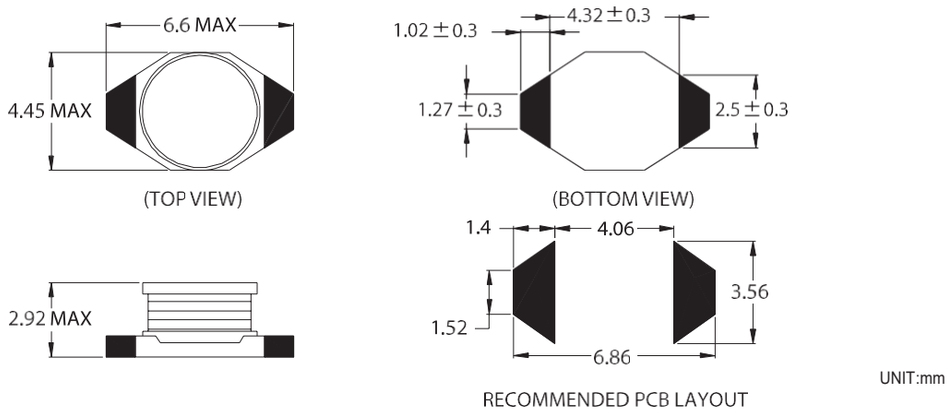
MGT-530 SERIES

SMD Power Inductors

- Designed in very small size,highest performance,and lowest cost
- Very low DCR and high-energy storage Ideal
- for application in DC-DC converters, LCD monitors,step-up or step-down converters, flash memory programmers,etc
- Custom versions available upon request
- Tape & Reel package

Mechanical Dimensions:



UNIT:mm

Part Number	Inductance[1] (μ H ±20%)	DCR 20°C (Ω max.)	Isat[2] (Adc)	Irms[3] (A)
MGT – 530 – 1R0	1.0	0.05	2.90	2.90
MGT – 530 – 1R5	1.5	0.05	2.60	2.80
MGT – 530 – 2R2	2.2	0.07	2.30	2.40
MGT – 530 – 3R3	3.3	0.08	2.00	2.00
MGT – 530 – 4R7	4.7	0.10	1.50	1.50
MGT – 530 – 6R8	6.8	0.13	1.20	1.40
MGT – 530 – 100	10.0	0.18	1.10	1.10
MGT – 530 – 150	15.0	0.23	0.90	1.20
MGT – 530 – 220	22.0	0.37	0.70	0.80
MGT – 530 – 330	33.0	0.51	0.58	0.60
MGT – 530 – 470	47.0	0.66	0.50	0.50
MGT – 530 – 680	68.0	0.92	0.40	0.40
MGT – 530 – 101	100.0	1.50	0.31	0.30
MGT – 530 – 151	150.0	2.20	0.27	0.25
MGT – 530 – 221	220.0	3.50	0.22	0.20
MGT – 530 – 331	330.0	4.80	0.18	0.16
MGT – 530 – 471	470.0	6.80	0.16	0.15
MGT – 530 – 681	680.0	9.50	0.14	0.12
MGT – 530 – 102	1000.0	13.8	0.10	0.07

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc.
2. Inductance drop = 10% typ. at rated Isat.
3. △T = 40 rise typ. at Irms.
4. Operating temperature range -40 to + 85 . ℃
5. Electrical specifications at 25 ℃

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