

MT-543^{SERIES}

SMD Power Inductors

MINNTRONIX

Wind Up the Best®

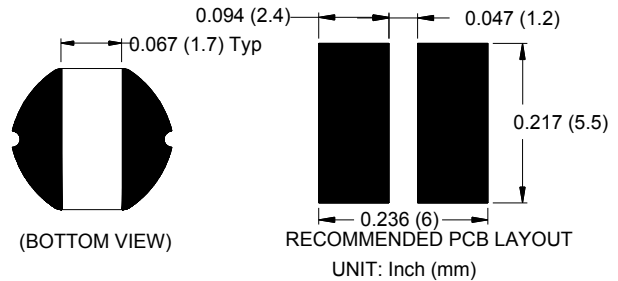
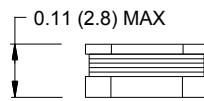
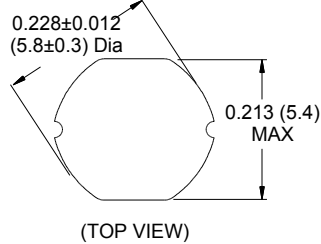


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- Very low profile - only 5.4x5.8x2.8mm tall
- Very low DCR, high-energy storage
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:



Part Number	Inductance ¹ (μH)	DCR (Ω max)	Isat ² (Adc)
MT-543-1R2	1.2	0.050	4.20
MT-543-1R5	1.5	0.060	4.00
MT-543-1R8	1.8	0.065	3.70
MT-543-2R2	2.2	0.070	3.50
MT-543-2R7	2.7	0.080	3.20
MT-543-3R3	3.3	0.100	2.70
MT-543-3R9	3.9	0.120	2.40
MT-543-4R7	4.7	0.140	2.00
MT-543-5R6	5.6	0.150	1.80
MT-543-6R8	6.8	0.160	1.50
MT-543-8R2	8.2	0.170	1.40
MT-543-100	10	0.200	1.30
MT-543-120	12	0.230	1.10
MT-543-150	15	0.250	1.05
MT-543-180	18	0.300	1.00
MT-543-220	22	0.350	0.90
MT-543-270	27	0.400	0.85
MT-543-330	33	0.500	0.75
MT-543-390	39	0.550	0.70
MT-543-470	47	0.650	0.60
MT-543-560	56	0.750	0.55
MT-543-680	68	0.950	0.50
MT-543-820	82	1.200	0.45
MT-543-101	100	1.400	0.40
MT-543-121	120	1.750	0.35
MT-543-151	150	2.000	0.25
MT-543-181	180	2.600	0.22
MT-543-221	220	3.000	0.20
MT-543-271	270	3.700	0.18
MT-543-331	330	4.300	0.17
MT-543-391	390	6.000	0.16
MT-543-471	470	6.700	0.15

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc
Tolerance 1.0μH~8.2μH±15% 10μH~470μH±10%
2. Inductance drop = 10% typ. at rated Isat

3. ΔT = 45°C rise typ.
4. Operating temperature range -40°C to +85°C
5. Electrical specifications at 25°C

Specifications subject to change. Custom versions of any Minntronix Products are available upon request.