

MT-552^{SERIES}

SMD Power Inductors

MINNTRONIX

Wind Up the Best®

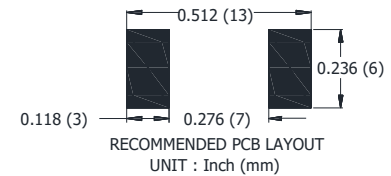
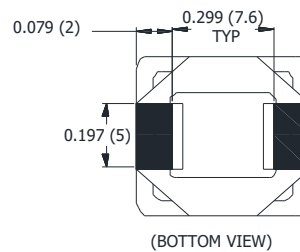
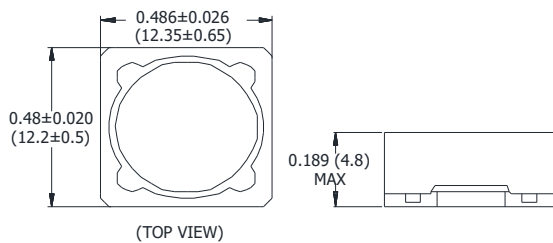


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- Magnetically shielded
- High current—up to 6.5Adc saturation current
- Very low DCR
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:



Part Number	Inductance ¹ ($\mu\text{H} \pm 20\%$)	DCR (Ω max)	Isat ² (Adc)
MT-552-3R9	3.9	0.016	6.5
MT-552-4R7	4.7	0.020	5.7
MT-552-6R8	6.8	0.025	4.9
MT-552-8R2	8.2	0.032	4.6
MT-552-100	10	0.036	4.5
MT-552-120	12	0.041	4.0
MT-552-150	15	0.050	3.2
MT-552-180	18	0.057	3.1
MT-552-220	22	0.072	2.9
MT-552-270	27	0.080	2.8
MT-552-330	33	0.097	2.7
MT-552-390	39	0.132	2.1
MT-552-470	47	0.150	1.9
MT-552-560	56	0.190	1.8
MT-552-680	68	0.220	1.5
MT-552-820	82	0.260	1.3
MT-552-101	100	0.308	1.2
MT-552-121	120	0.380	1.1
MT-552-151	150	0.530	0.95
MT-552-181	180	0.620	0.85
MT-552-221	220	0.700	0.8
MT-552-271	270	0.876	0.6
MT-552-331	330	0.990	0.5

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

2. Inductance drop = 25% typ. at rated Isat

3. $\Delta T = 45^\circ\text{C}$ rise typ.

4. Operating temperature range -40°C to $+85^\circ\text{C}$

5. Electrical specifications at 25°C

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