

MT-554^{SERIES}

SMD Power Inductors

MINNTRONIX

Wind Up the Best®



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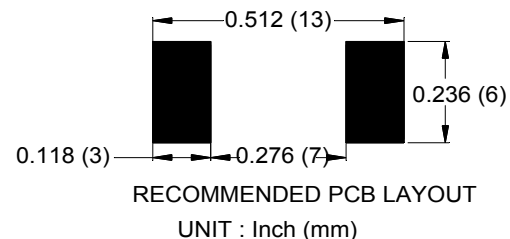
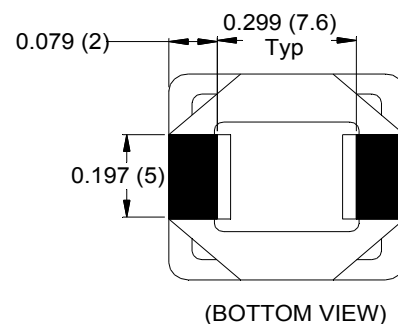
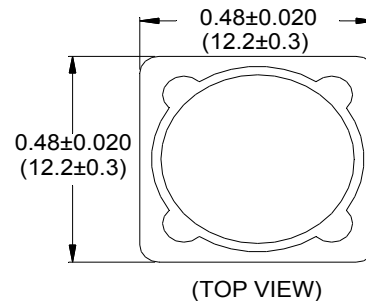
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- Magnetically shielded
- Very high current - up to 10Adc saturation
- Very low DCR
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:

Part Number	Inductance ¹ (μH)	DCR (mΩ max)	Isat ² (Adc)
MT-554-1R2	1.2	7	10
MT-554-1R8	1.8	8	9.5
MT-554-2R4	2.4	12	9.0
MT-554-3R5	3.5	14	8.2
MT-554-4R7	4.7	16	7.0
MT-554-6R1	6.1	18	6.8
MT-554-6R8	6.8	19	6.6
MT-554-8R2	8.2	20	5.9
MT-554-100	10	22	5.4
MT-554-120	12	25	4.9
MT-554-150	15	30	4.5
MT-554-180	18	40	3.9
MT-554-220	22	44	3.6
MT-554-270	27	46	3.4
MT-554-330	33	65	3.0
MT-554-390	39	73	2.8
MT-554-470	47	100	2.5
MT-554-560	56	110	2.3
MT-554-680	68	140	2.1
MT-554-820	82	160	1.95
MT-554-101	100	220	1.7
MT-554-121	120	250	1.6
MT-554-151	150	280	1.4
MT-554-181	180	350	1.3
MT-554-221	220	390	1.2
MT-554-271	270	560	1.0
MT-554-331	330	640	0.95
MT-554-391	390	700	0.88
MT-554-471	470	980	0.79
MT-554-561	560	1070	0.73
MT-554-681	680	1460	0.67
MT-554-821	820	1640	0.60
MT-554-102	1000	1820	0.55



1. Inductance tested at 100kHz, 0.1Vrms, 0Adc
Tolerance: 1.2μH to 8.2μH -20%/+40%, 10μH to 1000μH±20%
2. Inductance drop = 25% typ. At rated Isat.

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

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