

MT-542^{SERIES}

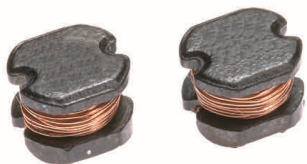
SMD Power Inductors

MINNTRONIX

Wind Up the Best®

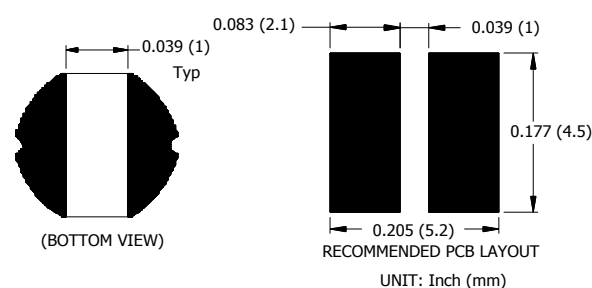
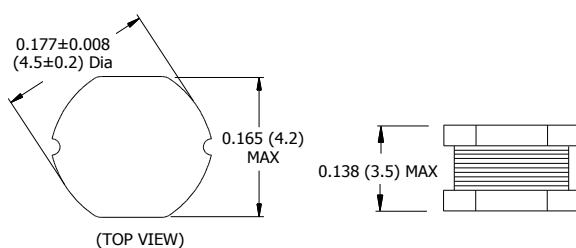


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- Small size - 4.2x4.5x3.5mm (tall)
- Very low DCR, high energy storage
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:



Part Number	Inductance ¹ (μH)	DCR (Ω max)	Isat ² (Adc)
MT-542-1R0	1.0	0.048	2.7
MT-542-1R5	1.5	0.056	2.6
MT-542-1R8	1.8	0.063	2.0
MT-542-2R2	2.2	0.071	1.9
MT-542-2R7	2.7	0.078	1.8
MT-542-3R3	3.3	0.086	1.7
MT-542-3R9	3.9	0.093	1.6
MT-542-4R7	4.7	0.108	1.5
MT-542-5R6	5.6	0.125	1.4
MT-542-6R8	6.8	0.131	1.3
MT-542-8R2	8.2	0.146	1.2
MT-542-100	10	0.182	1.1
MT-542-120	12	0.210	0.97
MT-542-150	15	0.235	0.85
MT-542-180	18	0.338	0.74
MT-542-220	22	0.378	0.68
MT-542-270	27	0.522	0.62
MT-542-330	33	0.540	0.56
MT-542-390	39	0.587	0.52
MT-542-470	47	0.844	0.44
MT-542-560	56	0.937	0.42
MT-542-680	68	1.117	0.37

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc
Tolerance 1.0μH~8.2μH±15% 10μH~68μH±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.