

MT-563 SERIES

SMD Power Inductors

MINNTRONIX

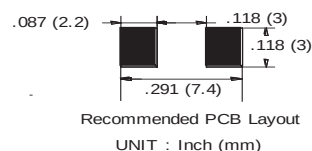
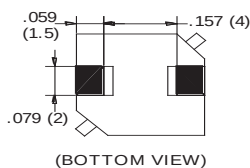
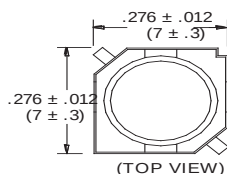
Wind Up the Best



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Mechanical Dimensions:



- Magnetically shielded
- Low profile - 7.0x7.0x4.7mm (tall)
- High current—up to 3.5Adc saturation current
- Custom versions available
- Available in Tape & Reel packaging

Part Number	Inductance ¹ (μH)	DCR (Ω max)	Isat ² (Adc)
MT-563-3R3	3.3	0.026	3.50
MT-563-5R0	5.0	0.032	2.90
MT-563-6R2	6.2	0.035	2.50
MT-563-7R4	7.4	0.038	2.30
MT-563-8R7	8.7	0.043	2.20
MT-563-100	10	0.046	2.00
MT-563-120	12	0.053	1.70
MT-563-150	15	0.065	1.60
MT-563-180	18	0.092	1.50
MT-563-220	22	0.096	1.30
MT-563-270	27	0.109	1.20
MT-563-330	33	0.124	1.10
MT-563-390	39	0.138	1.00
MT-563-470	47	0.155	0.95
MT-563-560	56	0.202	0.85
MT-563-680	68	0.250	0.75
MT-563-820	82	0.324	0.70
MT-563-101	100	0.358	0.65
MT-563-121	120	0.470	0.59
MT-563-151	150	0.580	0.54
MT-563-181	180	0.690	0.49
MT-563-221	220	0.890	0.43
MT-563-271	270	1.290	0.40
MT-563-331	330	1.700	0.37
MT-563-391	390	1.750	0.34
MT-563-471	470	2.200	0.32
MT-563-561	560	2.850	0.29
MT-563-681	680	3.200	0.25
MT-563-821	820	4.050	0.22
MT-563-102	1000	5.700	0.20

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc
Tolerance 3.3μH to 8.7μH±30%, 10.0μH to 1000μH±20%

2. Inductance drop = 35% 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.