

MT-545^{SERIES}

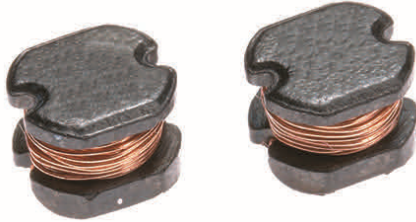
SMD Power Inductors

MINNTRONIX

Wind Up the Best®



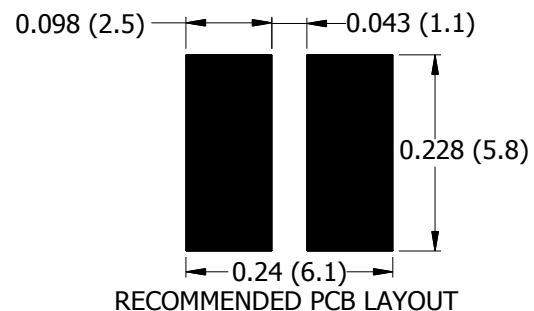
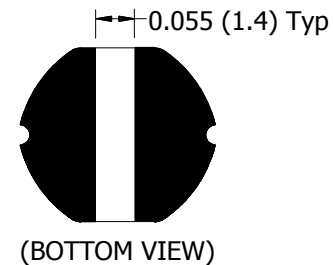
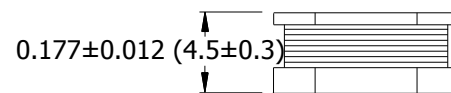
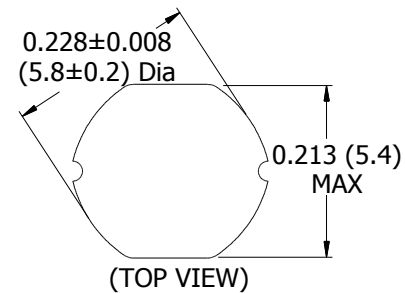
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- Small size, high performance
- Low DCR, high current
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:

Part Number	Inductance ¹ ($\mu\text{H} \pm 20\%$)	DCR (Ω max)	Isat ² (A dc)
MT-545-100	10	0.10	1.5
MT-545-120	12	0.12	1.4
MT-545-150	15	0.14	1.3
MT-545-180	18	0.15	1.2
MT-545-220	22	0.18	1.1
MT-545-270	27	0.20	0.97
MT-545-330	33	0.23	0.88
MT-545-390	39	0.32	0.80
MT-545-470	47	0.37	0.72
MT-545-560	56	0.42	0.68
MT-545-680	68	0.46	0.61
MT-545-820	82	0.60	0.58
MT-545-101	100	0.70	0.52
MT-545-121	120	0.93	0.48
MT-545-151	150	1.10	0.40
MT-545-181	180	1.38	0.38
MT-545-221	220	1.57	0.35
MT-545-271	270	1.65	0.32
MT-545-331	330	1.70	0.28
MT-545-391	390	1.80	0.26
MT-545-471	470	2.30	0.23
MT-545-561	560	2.50	0.20
MT-545-681	680	3.00	0.19
MT-545-821	820	4.50	0.16
MT-545-102	1000	4.80	0.14



UNIT: Inch (mm)

1. Inductance tested at 100kHz, 0.1Vrms
Tolerance 1.0 μH ~8.2 $\mu\text{H} \pm 15\%$ 10 μH ~1000 $\mu\text{H} \pm 10\%$
2. Inductance drop = 10% 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.