

MT-538 SERIES

SMD Power Inductors

MINNTRONIX

Wind Up the Best

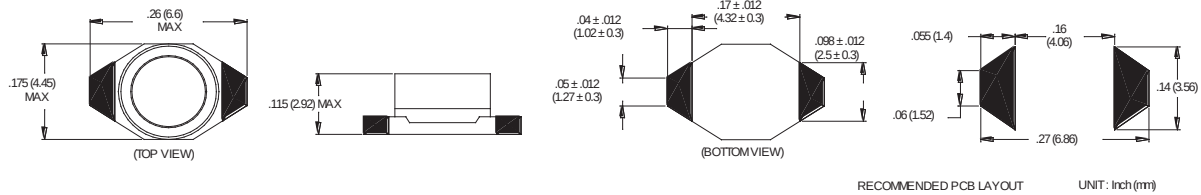


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- Magnetically shielded
- Very small size, high performance, cost-effective package
- Very low DCR, high-energy storage
- Flat top for automatic assembly
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:



Part Number	Inductance ¹ ($\mu\text{H} \pm 20\%$)	Q min	DCR (Ω max)	Isat ³ (A)
MT-538-1R0	1.0	30 @ 200 KHz	0.040	1.4
MT-538-1R5	1.5	30 @ 200 KHz	0.045	0.93
MT-538-2R2	2.2	40 @ 200 KHz	0.050	0.92
MT-538-3R3	3.3	40 @ 200 KHz	0.055	0.75
MT-538-4R7	4.7	40 @ 200 KHz	0.060	0.58
MT-538-6R8	6.8	40 @ 200 KHz	0.065	0.58
MT-538-100	10	40 @ 200 KHz	0.075	0.37
MT-538-150	15	40 @ 100 KHz	0.090	0.31
MT-538-220	22	40 @ 100 KHz	0.11	0.30
MT-538-330	33	40 @ 100 KHz	0.190	0.30
MT-538-470	47	40 @ 100 KHz	0.230	0.24
MT-538-680	68	40 @ 100 KHz	0.290	0.17
MT-538-101	100	40 @ 100 KHz	0.480	0.13
MT-538-151	150	40 @ 100 KHz	0.59	0.10
MT-538-221	220	40 @ 100 KHz	0.77	0.10
MT-538-331	330	40 @ 100 KHz	1.4	0.07
MT-538-471	470	40 @ 100 KHz	1.8	0.06
MT-538-681	680	40 @ 100 KHz	2.2	0.055
MT-538-102	1000	40 @ 100 KHz	3.4	0.045
MT-538-152	1500	50 @ 100 KHz	4.2	0.035
MT-538-222	2200	50 @ 100 KHz	8.5	0.028
MT-538-332	3300	50 @ 100 KHz	11.0	0.024
MT-538-472	4700	50 @ 100 KHz	13.9	0.021
MT-538-682	6800	50 @ 100 KHz	25.0	0.019
MT-538-103	10000	50 @ 100 KHz	32.8	0.017

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc
2. $\Delta T = 30^\circ\text{C}$ rise typ.

3. Operating temperature range -40°C to $+85^\circ\text{C}$
4. Electrical specifications at 25°C

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