

MT-531 SERIES

SMD Power Inductors

MINNTRONIX

Wind Up the Best®

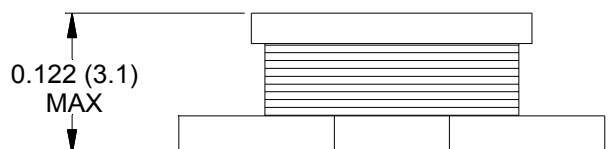
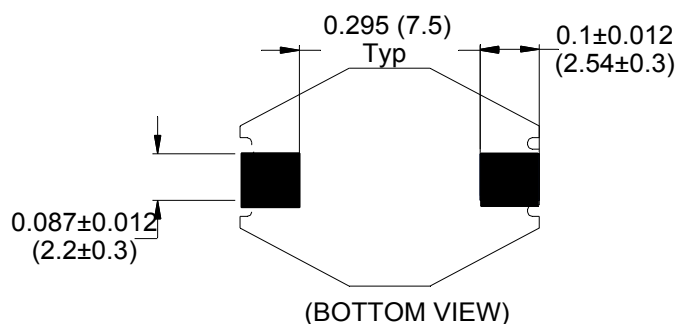
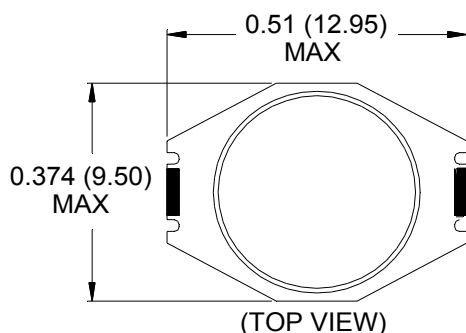


Phone: 1.605.884.0195
Fax: 1.605.884.0199
www.minntronix.com



- Small size, high performance, cost-effective package
- Very low DCR, high-energy storage
- Ideal for application in DC-DC converters, LCD monitors, step-up or step-down converters, flash memory programmers, etc.
- Custom versions available
- Available in Tape & Reel packaging

Mechanical Dimensions:



UNIT : Inch (mm)

Part Number	Inductance ¹ ($\mu\text{H} \pm 20\%$)	DCR (Ω max)	Isat ² (Adc)	Irms ³ (A)
MT-531-100	10	0.11	2.4	2.0
MT-531-150	15	0.15	2.0	1.5
MT-531-220	22	0.23	1.6	1.3
MT-531-330	33	0.30	1.4	1.1
MT-531-470	47	0.39	1.0	0.8
MT-531-680	68	0.66	0.9	0.7
MT-531-101	100	0.84	0.7	0.6
MT-531-151	150	1.20	0.6	0.5
MT-531-221	220	1.90	0.5	0.4
MT-531-331	330	2.70	0.4	0.3
MT-531-471	470	4.00	0.3	0.2
MT-531-681	680	5.30	0.2	0.1
MT-531-102	1000	8.4	0.1	0.05

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc

2. Inductance drop = 10% typ. at rated Isat

3. $\Delta T = 30^\circ\text{C}$ rise typ. at Irms.

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.