



Triad Transformer Catalog

Surface Mount Power - Inductors - SMT10 Series

Profile:

These small, low-profile inductors are ideal for high current, space limited designs.

Applications:

Notebook Computers, PDA's, Pagers, DC/DC Converters

EMI Filters
Battery Charging Circuits

Part Number	Inductance @ 100kHz, .1 Vrms (uH +/-20%) with no DC Current	DC Resistance @ 25°C Max OHMS	Rated Current (AMP) (Note 2)	Bias Current (AMP) (Note 1)
SMT10-1R0	1.0	0.03	3.90	2.90
SMT10-1R5	1.5	0.05	3.02	2.80
SMT10-2R2	2.2	0.06	2.76	2.40
SMT10-3R3	3.3	0.09	2.25	2.00
SMT10-4R7	4.7	0.12	1.95	1.50
SMT10-6R8	6.8	0.17	1.64	1.30
SMT10-100	10.0	0.22	1.44	1.00
SMT10-150	15.0	0.30	1.23	0.80
SMT10-220	22.0	0.43	1.03	0.70
SMT10-330	33.0	0.69	0.81	0.57
SMT10-470	47.0	0.92	0.70	0.46
SMT10-680	68.0	1.39	0.57	0.37
SMT10-101	100.0	1.98	0.48	0.28
SMT10-151	150.0	3.08	0.38	0.22
SMT10-221	220.0	4.47	0.32	0.18
SMT10-331	330.0	6.90	0.26	0.15
SMT10-471	470.0	11.55	0.20	0.12

Packaging

Standard: Embossed
Tape & Reel

Reel: Diameter =13"

Capacity, unit:
=1,000

Ordering Information

SMT10 100

**Model
Series**

Inductance Code:

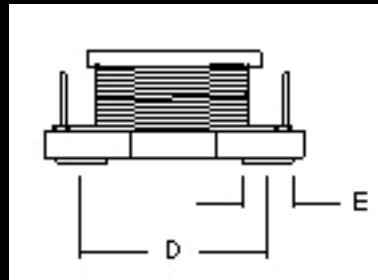
1st two digits are
significant

Last digit denotes
number of trailing zeros

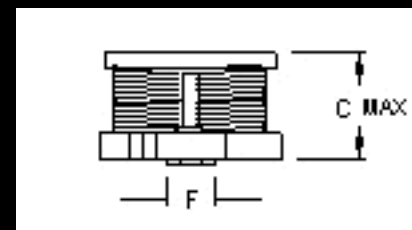
Printed on inductor as
shown below

Dimensions

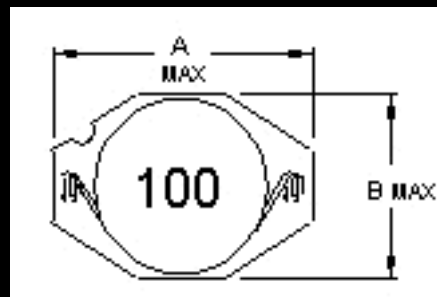
	A	B	C	D	E	F
IN.	.297	.188	.127	.216	.030	.065
MM.	7,55	4,78	3,23	5,54	0,76	1,65



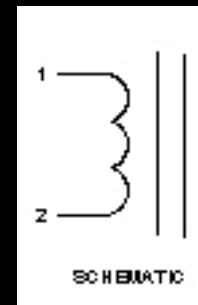
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Notes

1. Rated DC current at which inductance will be decreased by 10%.
2. Calculated DC current which gives a 40 degree C temp. rise.
3. Inductance code printed shown on front view
4. Operating/storage temp. range: -25 degrees C to +80 degrees C.
5. Temp. rise 40 degrees C max.