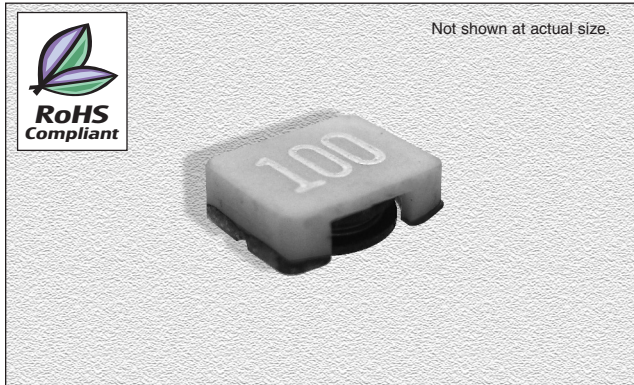


CTDO1605TF Series

From 1.0 μH to 1,000 μH



CHARACTERISTICS

Description: SMD power inductor

Applications: VTR power supplies, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters. Used in limited spaces and ultra-low profiles.

Operating Temperature: -40°C to +105°C

Inductance Drop: 10% typ. at Isat

Testing: Inductance is tested on an HP4285A at 100 KHz, 0.1V

Packaging: Tape & Reel

Marking: Parts are marked with the inductance code

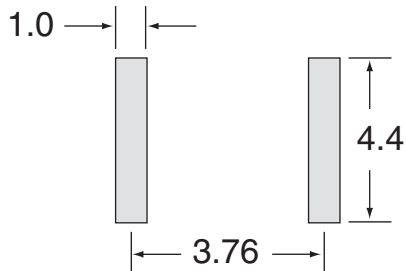
Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



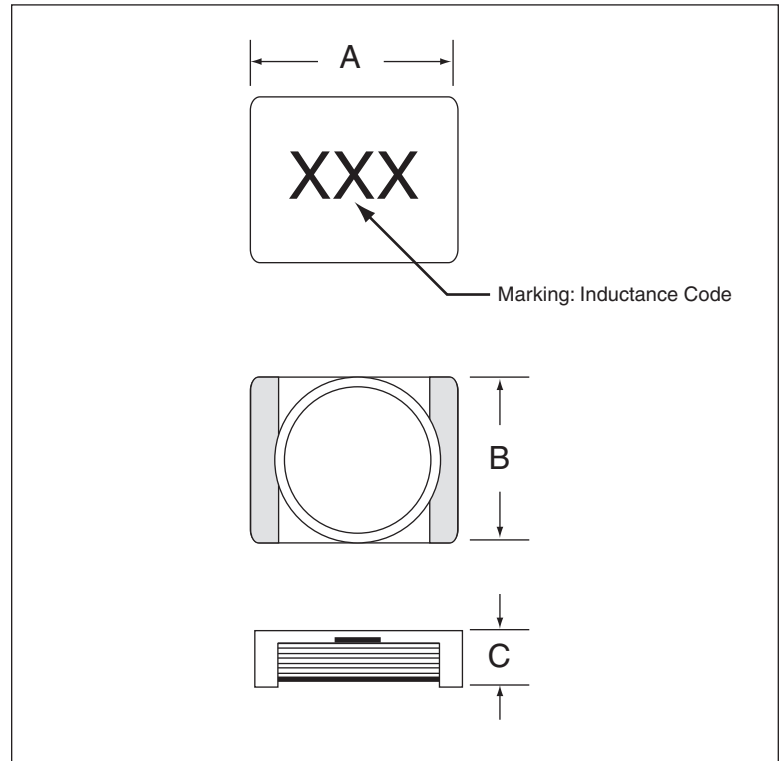
SPECIFICATIONS

Parts are available in $\pm 20\%$ tolerance only.

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	L Test Freq. (kHz)	DCR Max. (Ω)	SRF Ref. (MHz)	Isat Typ. (A)	Irms (A)
CTDO1605TF-102M	1.0	100	.04	230	2.50	2.30
CTDO1605TF-152M	1.5	100	.06	180	2.20	2.10
CTDO1605TF-222M	2.2	100	.07	140	1.80	1.70
CTDO1605TF-332M	3.3	100	.10	110	1.40	1.30
CTDO1605TF-472M	4.7	100	.15	100	1.20	1.10
CTDO1605TF-682M	6.8	100	.20	80	1.10	1.00
CTDO1605TF-822M	8.2	100	.23	70	1.00	0.95
CTDO1605TF-103M	10	100	.27	60	1.00	0.90
CTDO1605TF-153M	15	100	.43	45	0.80	0.70
CTDO1605TF-223M	22	100	.65	35	0.60	0.50
CTDO1605TF-333M	33	100	.90	30	0.50	0.45
CTDO1605TF-473M	47	100	1.30	22	0.45	0.40
CTDO1605TF-683M	68	100	1.90	20	0.35	0.35
CTDO1605TF-104M	100	100	2.80	15	0.30	0.30
CTDO1605TF-154M	150	100	4.30	10	0.25	0.25
CTDO1605TF-224M	220	100	7.30	9	0.20	0.18
CTDO1605TF-334M	330	100	9.80	8	0.16	0.16
CTDO1605TF-474M	470	100	13.2	7	0.14	0.12
CTDO1605TF-684M	680	100	18.5	5	0.12	0.10
CTDO1605TF-105M	1000	100	30.0	4	0.08	0.08

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C
mm	5.8	4.25	1.8 $\pm$ 0.2
inches	0.23	0.17	0.071 $\pm$ 0.0079



06.22.07