CTDT1608F Series

From 1.0µH to 680µH

SPECIFICATIONS

Parts are available in ±20% inductance tolerance only.

Part Number	0 ADC Inductance (µH ±20%)	DCR Max. (Ω)	Inductance Rating (µH)	L Test Freq. (kHz)	Max. Current Rating (A)	Energy Storage (µJoules)	Max. Switch Freq.
	SPECIFICATIONS		OPERATING PARAMETERS				
CTDT1608CF-102	1.0	.045	.60	100	2.0	1.8	1.0 MHz
CTDT1608CF-152	1.5	.05	.80	100	1.9	1.8	1.0 MHz
CTDT1608CF-222	2.2	.06	.90	100	1.5	1.8	1.0 MHz
CTDT1608CF-332	3.3	.07	1.5	100	1.2	1.4	1.0 MHz
CTDT1608CF-472	4.7	.08	2.0	100	1.2	1.6	1.0 MHz
CTDT1608CF-682	6.8	.085	3.0	100	1.0	1.9	1.0 MHz
CTDT1608CF-103	10	.095	5.0	100	.70	1.2	1.0 MHz
CTDT1608CF-153	15	.135	6.0	100	.60	1.1	1.0 MHz
CTDT1608CF-223	22	.16	10	100	.50	1.2	1.0 MHz
CTDT1608CF-333	33	.275	12	100	.45	1.5	1.0 MHz
CTDT1608CF-473	47	.34	20	100	.34	1.3	1.0 MHz
CTDT1608CF-683	68	.575	30	100	.29	1.4	1.0 MHz
CTDT1608CF-104	100	1.1	40	100	.24	1.5	1.0 MHz
CTDT1608CF-154	150	1.4	60	100	.20	1.4	500 kHz
CTDT1608CF-224	220	2.25	90	100	.17	1.6	500 kHz
CTDT1608CF-334	330	2.9	100	100	.16	1.4	500 kHz
CTDT1608CF-474	470	3.6	150	100	.14	1.5	500 kHz
CTDT1608CF-684	680	4.55	200	100	.12	1.4	500 kHz

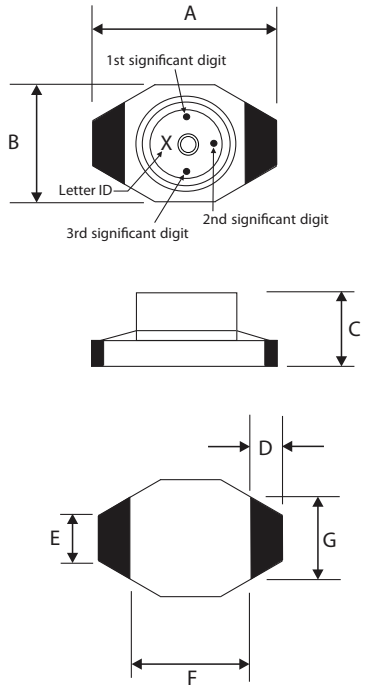
CHARACTERISTICS

Description: SMD (shielded) power inductor
Applications: DC/DC converters, computers, LCD displays and telecommunication equipment
Operating Temperature: -40°C to 125°C (including self-temp. rise)
Inductance Tolerance: ±20%
Testing: Inductance and Q are tested on an HP4285A at 100kHz
Packaging: Tape & Reel
Marking: Letter identifier OR color dots
Miscellaneous: **RoHS Compliant.** Magnetically shielded
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
	Max.	Max.	Max.				
mm	6.6	4.45	2.92	1.02	1.27	4.32	3.05
inches	0.26	0.18	0.11	0.04	0.05	0.17	0.12

Parts will be marked with
Significant Digit Dots OR Letter Identifier



PAD LAYOUT

Unit: mm