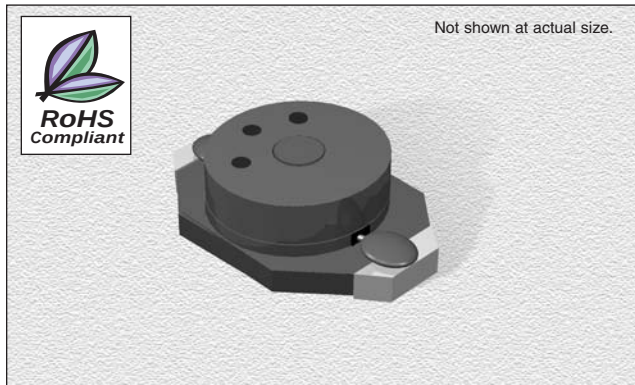


CTDT1608F Series

From 1.0 μH to 1,000 μH



CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: DC/DC converters, computers, LCD displays and telecommunication equipment

Operating Temperature: -40°C to +85°C

Inductance Tolerance: $\pm 20\%$

Testing: Inductance is tested on a HP4285A at 100 kHz

Packaging: Tape & Reel

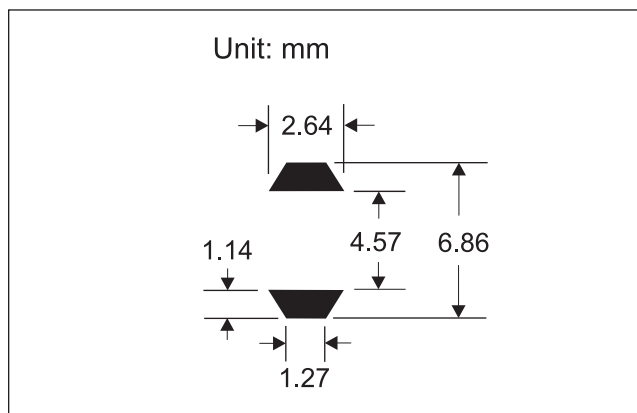
Marking: Color dots OR Inductance code

Miscellaneous: **RoHS Compliant.** Magnetically shielded

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

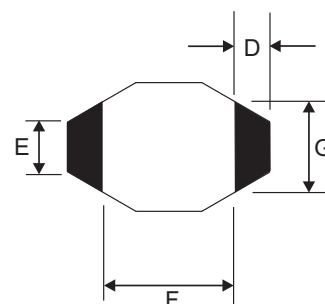
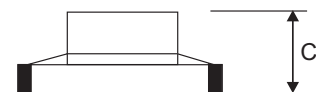
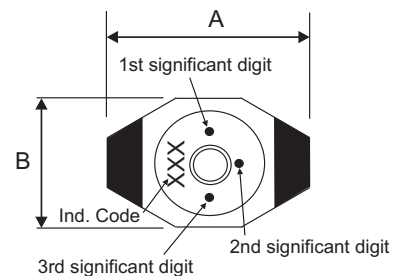
Parts are available in $\pm 20\%$ tolerance only.

Part Number	SPECIFICATIONS		OPERATING PARAMETERS				
	0 ADC Inductance ($\mu\text{H} \pm 20\%$)	DCR Max. (Ω)	Inductance Rating (μH)	L Test Freq. (kHz)	Max. Current Rating (A)	Energy Storage (μJoules)	Max. Switch Freq.
CTDT1608CF-102	1.0	.05	.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	.09	3.0	100	1.0	1.9	1.0 MHz
CTDT1608CF-103	10	.10	5.0	100	.70	1.2	1.0 MHz
CTDT1608CF-153	15	.14	6.0	100	.60	1.1	1.0 MHz
CTDT1608CF-223	22	.16	10	100	.50	1.2	1.0 MHz
CTDT1608CF-333	33	.28	12	100	.45	1.5	1.0 MHz
CTDT1608CF-473	47	.34	20	100	.34	1.3	1.0 MHz
CTDT1608CF-683	68	.58	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	2.3	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	4.6	200	100	.12	1.4	500 kHz
CTDT1608CF-105	1000	8.1	400	100	.08	1.4	500 kHz

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F	G
mm	6.58	4.45	2.92	0.78	1.27	4.80	2.34
inches	0.26	0.18	0.12	0.03	0.05	0.19	0.09

Parts will be marked with
Significant Digit Dots OR Inductance Code



01.12.10