

## CTDT1608F Series

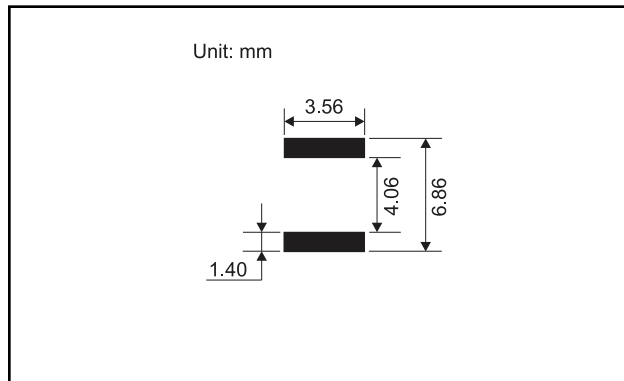
From 1.0 $\mu$ H to 470 $\mu$ H



### 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:**  $\pm 20\%$   
**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  
**Samples available. See website for ordering information.**

### PAD LAYOUT



### SPECIFICATIONS

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

Part Number	SPECIFICATIONS			OPERATING PARAMETERS			
	0 ADC Inductance ( $\mu$ H $\pm 20\%$ )	DCR Max. ( $\Omega$ )	Inductance Rating ( $\mu$ H)	L Test Freq. (kHz)	Max. Current Rating (A)	Energy Storage ( $\mu$ Joules)	Max. Switch Freq.
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

### 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

