

## CTGS54F Series

From 1.0  $\mu$ H to 220  $\mu$ H



### SPECIFICATIONS

Please specify tolerance code when ordering.  
CTGS54F-100\_ ← K =  $\pm$ 10%, L =  $\pm$ 15%, M =  $\pm$ 20%

Part Number	Inductance ( $\mu$ H)	L Test Freq. (Hz)	DCR Max. ( $\Omega$ )	Rated DC (A)	Available Tolerance
CTGS54F-1R0M	1.0	7.96M	.015	5.9	M
CTGS54F-1R2M	1.2	7.96M	.020	5.2	M
CTGS54F-1R5M	1.5	7.96M	.025	4.7	M
CTGS54F-1R8M	1.8	7.96M	.030	4.0	M
CTGS54F-2R2M	2.2	7.96M	.035	3.8	M
CTGS54F-2R7M	2.7	7.96M	.040	3.4	M
CTGS54F-3R3M	3.3	7.96M	.045	3.3	M
CTGS54F-3R9M	3.9	7.96M	.050	2.9	M
CTGS54F-4R7M	4.7	7.96M	.060	2.8	M
CTGS54F-5R6M	5.6	7.96M	.070	2.4	M
CTGS54F-6R8M	6.8	7.96M	.080	2.1	M
CTGS54F-8R2M	8.2	7.96M	.090	2.0	M
CTGS54F-100_	10	2.52M	.10	1.4	K,L,M
CTGS54F-120_	12	2.52M	.12	1.4	K,L,M
CTGS54F-150_	15	2.52M	.14	1.3	K,L,M
CTGS54F-180_	18	2.52M	.15	1.2	K,L,M
CTGS54F-220_	22	2.52M	.18	1.1	K,L,M
CTGS54F-270_	27	2.52M	.20	.97	K,L,M
CTGS54F-330_	33	2.52M	.23	.88	K,L,M
CTGS54F-390_	39	2.52M	.32	.80	K,L,M
CTGS54F-470_	47	2.52M	.37	.72	K,L,M
CTGS54F-560_	56	2.52M	.42	.68	K,L,M
CTGS54F-680_	68	2.52M	.46	.61	K,L,M
CTGS54F-820_	82	2.52M	.60	.58	K,L,M
CTGS54F-101_	100	1.0k	.70	.52	K,L,M
CTGS54F-121_	120	1.0k	.93	.48	K,L,M
CTGS54F-151_	150	1.0k	1.1	.40	K,L,M
CTGS54F-181_	180	1.0k	1.4	.38	K,L,M
CTGS54F-221_	220	1.0k	1.6	.35	K,L,M

### CHARACTERISTICS

**Description:** SMD power inductor

**Applications:** Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

**Operating Temperature:** -40°C to +100°C

**Inductance Tolerance:**  $\pm$ 10%,  $\pm$ 15%,  $\pm$ 20%

**Testing:** Inductance is tested on an HP4284A or HP4285A at specified frequency.

**Packaging:** Tape & Reel.

**Marking:** Parts are marked with inductance code.

**Rated DC:** The value of current when the inductance is 10% lower than it's initial value at 0 Adc or D.C. current when at  $\Delta T = 40^\circ\text{C}$  whichever is lower.

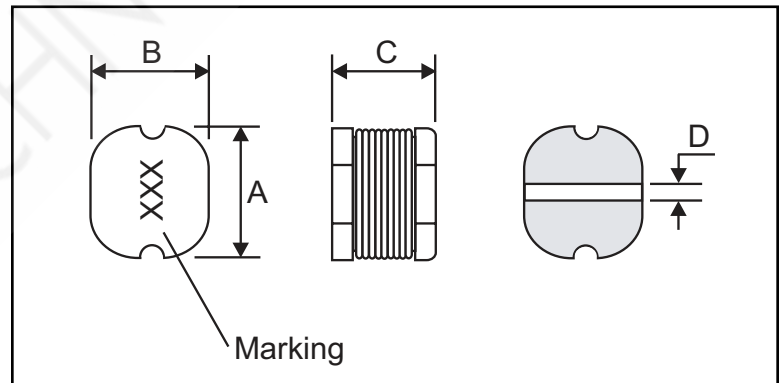
**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.
mm	5.8 $\pm$ 0.3	5.2 $\pm$ 0.3	4.5 $\pm$ 0.4	1.3
inches	0.23 $\pm$ 0.012	0.21 $\pm$ 0.012	0.18 $\pm$ 0.016	0.051



### PAD LAYOUT

