

## CTGS43F Series

From 1.0  $\mu\text{H}$  to 68  $\mu\text{H}$

ENGINEERING KIT #7



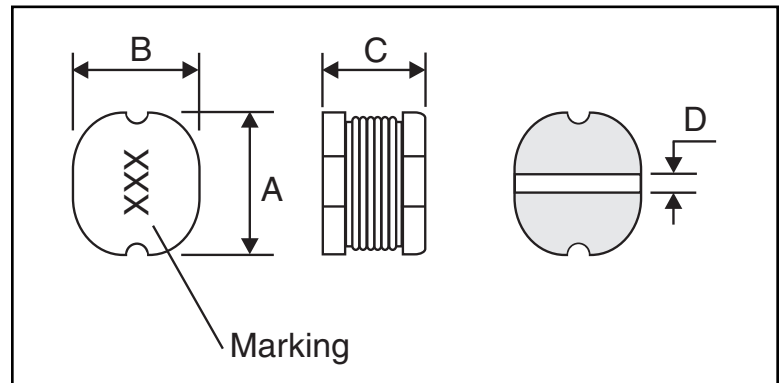
### SPECIFICATIONS

Parts are marked to indicate tolerance available.  
K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (A)
CTGS43F-1R0M	1.0	7.96	0.033	3.80
CTGS43F-1R4M	1.4	7.96	0.038	3.30
CTGS43F-1R8M	1.8	7.96	0.042	2.91
CTGS43F-2R2M	2.2	7.96	0.047	2.60
CTGS43F-2R7M	2.7	7.96	0.052	2.43
CTGS43F-3R3M	3.3	7.96	0.058	2.15
CTGS43F-3R9M	3.9	7.96	0.076	1.98
CTGS43F-4R7M	4.7	7.96	0.094	1.70
CTGS43F-5R6M	5.6	7.96	0.101	1.60
CTGS43F-6R8M	6.8	7.96	0.117	1.41
CTGS43F-8R2M	8.2	7.96	0.132	1.26
CTGS43F-100M	10	2.52	0.182	1.15
CTGS43F-120M	12	2.52	0.210	1.05
CTGS43F-150M	15	2.52	0.235	0.92
CTGS43F-180M	18	2.52	0.338	0.84
CTGS43F-220M	22	2.52	0.378	0.76
CTGS43F-270M	27	2.52	0.522	0.71
CTGS43F-330K	33	2.52	0.540	0.64
CTGS43F-390K	39	2.52	0.587	0.59
CTGS43F-470K	47	2.52	0.844	0.54
CTGS43F-560K	56	2.52	0.937	0.50
CTGS43F-680K	68	2.52	1.117	0.46

### PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.
mm	4.5 $\pm$ 0.3	4.0 $\pm$ 0.3	3.2 $\pm$ 0.3	1.2
inches	0.18 $\pm$ 0.012	0.16 $\pm$ 0.012	0.13 $\pm$ 0.012	0.05



### CHARACTERISTICS

- Description:** SMD power inductor.
- Applications:** Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.
- Operating Temperature:**  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
- Inductance Tolerance:**  $\pm 10\%$ ,  $\pm 20\%$
- Testing:** Inductance is tested on an HP4285A at specified frequency.
- Packaging:** Tape & Reel.
- Marking:** Marked with inductance code.
- Rated DC:** The value of current when the inductance is 10% lower than its 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.**

### PAD LAYOUT

