

## CTGS75F Series

From 1.0  $\mu\text{H}$  to 820  $\mu\text{H}$

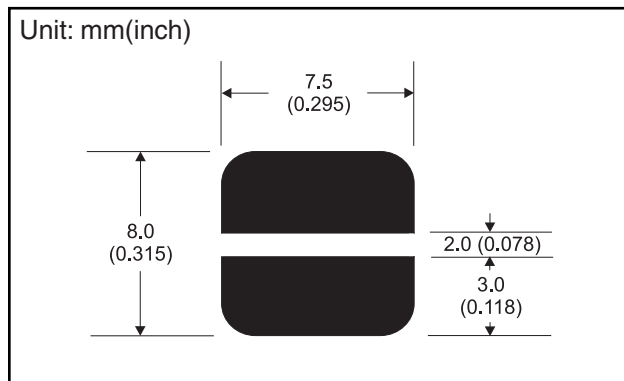
### ENGINEERING KIT #7



### CHARACTERISTICS

- Description:** SMD power inductor.
- Applications:** VTR power supplies, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.
- Operating Temperature:**  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Inductance Tolerance:**  $\pm 10\%$ ,  $\pm 20\%$
- Testing:** Inductance is tested on an HP4284A or 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



### SPECIFICATIONS

Part numbers indicate inductance tolerance available.  
K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (Hz)	DCR Max. ( $\Omega$ )	Rated DC (A)
CTGS75F-1R0M	1.0	25.2M	.02	3.7
CTGS75F-1R4M	1.4	7.96M	.02	3.7
CTGS75F-1R8M	1.8	7.96M	.02	3.7
CTGS75F-2R3M	2.3	7.96M	.02	3.7
CTGS75F-2R7M	2.7	7.96M	.02	3.7
CTGS75F-3R3M	3.3	7.96M	.03	3.7
CTGS75F-3R9M	3.9	7.96M	.03	3.7
CTGS75F-4R7M	4.7	7.96M	.04	3.5
CTGS75F-5R6M	5.6	7.96M	.04	3.3
CTGS75F-6R8M	6.8	7.96M	.04	3.1
CTGS75F-8R2M	8.2	7.96M	.05	2.7
CTGS75F-100K	10	2.52M	.07	2.3
CTGS75F-120K	12	2.52M	.08	2.0
CTGS75F-150K	15	2.52M	.09	1.8
CTGS75F-180K	18	2.52M	.10	1.6
CTGS75F-220K	22	2.52M	.11	1.5
CTGS75F-270K	27	2.52M	.12	1.3
CTGS75F-330K	33	2.52M	.13	1.2
CTGS75F-390K	39	2.52M	.16	1.1
CTGS75F-470K	47	2.52M	.18	1.1
CTGS75F-560K	56	2.52M	.24	.94
CTGS75F-680K	68	2.52M	.28	.84
CTGS75F-820K	82	2.52M	.37	.78
CTGS75F-101K	100	1.0k	.43	.72
CTGS75F-121K	120	1.0k	.47	.66
CTGS75F-151K	150	1.0k	.64	.58
CTGS75F-181K	180	1.0k	.71	.51
CTGS75F-221K	220	1.0k	.96	.49
CTGS75F-271K	270	1.0k	1.1	.42
CTGS75F-331K	330	1.0k	1.2	.40
CTGS75F-391K	390	1.0k	1.8	.36
CTGS75F-471K	470	1.0k	1.9	.34
CTGS75F-561K	560	1.0k	2.3	.32
CTGS75F-681K	680	1.0k	2.2	.28
CTGS75F-821K	820	1.0k	2.9	.26

### PHYSICAL DIMENSIONS

