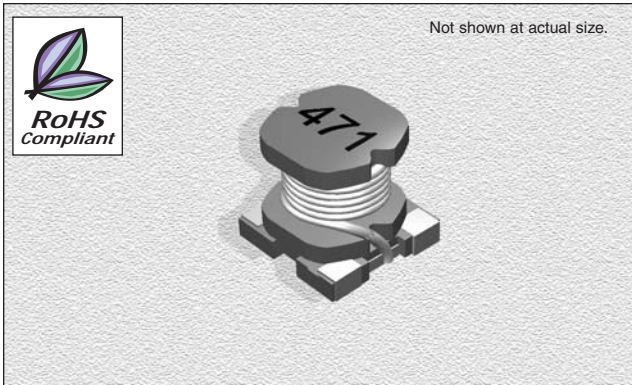


# CTCR75F Series

## From 1.2 $\mu\text{H}$ to 470 $\mu\text{H}$

### SPECIFICATIONS

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



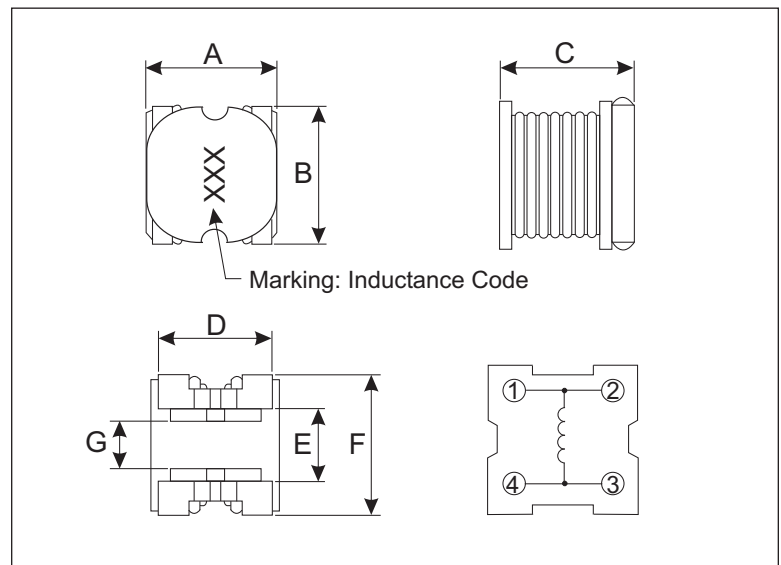
Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (kHz)	DCR Max. ( $\Omega$ )	Rated DC (A)
CTCR75F-1R2M	1.2	7.96M	0.0156	6.0
CTCR75F-1R5M	1.5	7.96M	0.0170	5.5
CTCR75F-2R2M	2.2	7.96M	0.0195	4.5
CTCR75F-2R7M	2.7	7.96M	0.0221	4.2
CTCR75F-3R3M	3.3	7.96M	0.0247	3.7
CTCR75F-3R9M	3.9	7.96M	0.0273	3.5
CTCR75F-4R7M	4.7	7.96M	0.0300	3.1
CTCR75F-5R6M	5.6	7.96M	0.0325	2.8
CTCR75F-6R8M	6.8	7.96M	0.0364	2.7
CTCR75F-8R2M	8.2	7.96M	0.0416	2.5
CTCR75F-100K	10	2.52M	0.07	2.3
CTCR75F-120K	12	2.52M	0.08	2.0
CTCR75F-150K	15	2.52M	0.09	1.8
CTCR75F-180K	18	2.52M	0.10	1.6
CTCR75F-220K	22	2.52M	0.11	1.5
CTCR75F-270K	27	2.52M	0.12	1.3
CTCR75F-330K	33	2.52M	0.13	1.2
CTCR75F-390K	39	2.52M	0.16	1.1
CTCR75F-470K	47	2.52M	0.18	1.1
CTCR75F-560K	56	2.52M	0.24	0.94
CTCR75F-680K	68	2.52M	0.28	0.85
CTCR75F-820K	82	2.52M	0.37	0.78
CTCR75F-101K	100	1.0k	0.43	0.72
CTCR75F-121K	120	1.0k	0.47	0.66
CTCR75F-151K	150	1.0k	0.64	0.58
CTCR75F-181K	180	1.0k	0.71	0.51
CTCR75F-221K	220	1.0k	0.96	0.49
CTCR75F-271K	270	1.0k	1.11	0.42
CTCR75F-331K	330	1.0k	1.26	0.40
CTCR75F-391K	390	1.0k	1.77	0.36
CTCR75F-471K	470	1.0k	1.96	0.34

### CHARACTERISTICS

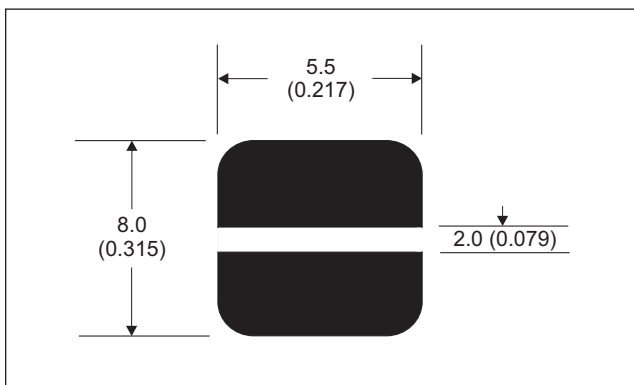
- Description:** SMD power inductor
- Applications:** VTR power supplies, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters
- Operating Temperature:**  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
- Inductance Tolerance:**  $\pm 10\%$ ,  $\pm 20\%$
- Testing:** Inductance is tested on an HP4284A or HP4285A at specified frequency
- Packaging:** Tape & Reel
- Marking:** Marked with inductance code
- Rated DC:** This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superimposition 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 Max.	B Max.	C Max.	D	E	F	G
mm	7.3	8.1	5.5	4.7	4.3	7.8	2.4
inches	0.287	0.319	0.217	0.185	0.169	0.307	0.094



### RECOMMENDED LAND PATTERN



08.17.09