

## CTVF-1 Series

From 1.5  $\mu\text{H}$  to 390  $\mu\text{H}$



### CHARACTERISTICS

**Description:** Radial leaded power Inductor.

**Applications:** Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters.

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

**Operating Temperature:**  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

**Rated Current:** Based on the inductance change within 10% of initial value.

**Testing:** Inductance is tested on an HP4284A at 15.75KHz.

**Sleeving:** Poly-Olefin shrink tube.

**Packaging:** Bulk.

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

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

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

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

### SPECIFICATIONS

Part numbers indicate inductance tolerance available.

K =  $\pm 10\%$ , L =  $\pm 15\%$

Part Number	Inductance ( $\mu\text{H}$ )	Rated Current (A)	DCR Max. ( $\Omega$ )	A Max.	Physical Dimensions (in/mm)		
					B Max.	C $\pm 0.015/0.38$	D $\pm 0.015/0.38$
CTVF-1-1R5L-15	1.5	18.2	0.003	0.65/16.5	0.90/22.9	0.42/10.7	0.068/1.73
CTVF-1-1R8L-10	1.8	18.2	0.006	0.65/16.5	1.1/27.9	0.42/10.7	0.054/1.37
CTVF-1-1R8L-15	1.8	19.3	0.003	0.65/16.5	1.1/27.9	0.42/10.7	0.068/1.73
CTVF-1-4R7L-03	4.7	7.5	0.021	0.62/15.7	0.85/21.6	0.42/10.7	0.035/0.89
CTVF-1-4R7L-05	4.7	9.1	0.012	0.62/15.7	0.85/21.6	0.42/10.7	0.042/1.07
CTVF-1-4R7L-10	4.7	11.8	0.012	0.62/15.7	1.1/27.9	0.42/10.7	0.054/1.37
CTVF-1-100K-03	10	6.0	0.026	0.63/16.0	0.85/21.6	0.42/10.7	0.035/0.89
CTVF-1-100K-05	10	7.1	0.020	0.62/15.7	0.85/21.6	0.42/10.7	0.042/1.07
CTVF-1-100K-10	10	10.9	0.013	0.63/16.0	1.1/27.9	0.42/10.7	0.054/1.37
CTVF-1-150K-10	15	11.8	0.020	0.70/17.8	1.4/35.6	0.42/10.7	0.060/1.52
CTVF-1-220K-03	22	5.5	0.035	0.62/15.7	1.1/27.9	0.42/10.7	0.035/0.89
CTVF-1-220K-05	22	6.9	0.023	0.62/15.7	1.1/27.9	0.42/10.7	0.042/1.07
CTVF-1-220K-10	22	10.4	0.018	0.70/17.8	1.4/35.6	0.42/10.7	0.060/1.52
CTVF-1-470K-03	47	5.3	0.050	0.65/16.5	1.1/27.9	0.42/10.7	0.035/0.89
CTVF-1-470K-05	47	6.3	0.033	0.90/22.9	1.2/30.5	0.70/17.8	0.042/1.07
CTVF-1-470K-10	47	8.2	0.022	0.90/22.9	1.4/35.6	0.70/17.8	0.060/1.52
CTVF-1-101K-03	100	3.4	0.072	0.90/22.9	1.3/33.1	0.70/17.8	0.035/0.89
CTVF-1-101K-05	100	4.9	0.055	0.90/22.9	1.4/35.6	0.70/17.8	0.042/1.07
CTVF-1-181K-03	180	2.8	0.150	0.63/18.0	1.2/30.5	0.42/10.7	0.028/0.71
CTVF-1-301K-05	300	3.4	0.160	1.1/27.9	1.0/25.4	0.70/17.8	0.038/0.97
CTVF-1-391K-05	390	3.0	0.190	1.1/27.9	1.0/25.4	0.70/17.8	0.038/0.97

