

CTFCF Series

From 1.0 μ H to 10,000 μ H

SPECIFICATIONS



| Part Number | Inductance (μ H) | Q Factor Min. | DCR Max. (Ω) | Test Freq. (MHz) | Rated DC Max. (A) |
|-------------|-----------------------|---------------|-----------------------|------------------|-------------------|
| CTFCF-1R0K | 1.0 | 85 | .01 | 7.9 | 7.0 |
| CTFCF-1R2K | 1.2 | 39 | .01 | 7.9 | 6.0 |
| CTFCF-1R5K | 1.5 | 33 | .01 | 7.9 | 5.0 |
| CTFCF-1R8K | 1.8 | 37 | .02 | 7.9 | 4.8 |
| CTFCF-2R2K | 2.2 | 38 | .02 | 7.9 | 4.4 |
| CTFCF-2R5K | 2.5 | 40 | .03 | 7.9 | 4.1 |
| CTFCF-2R7K | 2.7 | 43 | .03 | 7.9 | 4.0 |
| CTFCF-3R3K | 3.3 | 35 | .03 | 7.9 | 3.7 |
| CTFCF-3R9K | 3.9 | 37 | .05 | 7.9 | 3.4 |
| CTFCF-4R7K | 4.7 | 37 | .05 | 7.9 | 3.2 |
| CTFCF-5R0K | 5.0 | 40 | .08 | 7.9 | 2.9 |
| CTFCF-5R6K | 5.6 | 38 | .09 | 7.9 | 2.8 |
| CTFCF-6R8K | 6.8 | 29 | .11 | 7.9 | 2.6 |
| CTFCF-7R6K | 7.3 | 30 | .11 | 7.9 | 2.5 |
| CTFCF-8R2K | 8.2 | 32 | .11 | 7.9 | 2.2 |
| CTFCF-100K | 10 | 80 | .19 | 7.9 | 2.1 |
| CTFCF-120K | 12 | 40 | .14 | 2.5 | 2.0 |
| CTFCF-150K | 15 | 40 | .16 | 2.5 | 1.6 |
| CTFCF-180K | 18 | 40 | .18 | 2.5 | 1.6 |
| CTFCF-220K | 22 | 40 | .23 | 2.5 | 1.4 |
| CTFCF-250K | 25 | 50 | .50 | 2.5 | 1.3 |
| CTFCF-270K | 27 | 50 | .28 | 2.5 | 1.3 |
| CTFCF-330K | 33 | 45 | .34 | 2.5 | 1.2 |
| CTFCF-390K | 39 | 45 | .37 | 2.5 | 1.1 |
| CTFCF-470K | 47 | 45 | .50 | 2.5 | 1.0 |
| CTFCF-500K | 50 | 40 | 1.1 | 2.5 | 1.0 |
| CTFCF-560K | 56 | 40 | .69 | 2.5 | .95 |
| CTFCF-680K | 68 | 40 | .81 | 2.5 | .90 |
| CTFCF-750K | 75 | 40 | 1.2 | 2.5 | .86 |
| CTFCF-820K | 82 | 50 | 1.2 | 2.5 | .86 |
| CTFCF-101K | 100 | 80 | 1.6 | .79 | .70 |
| CTFCF-121K | 120 | 70 | 1.7 | .79 | .65 |
| CTFCF-151K | 150 | 70 | 1.8 | .79 | .60 |
| CTFCF-181K | 180 | 70 | 2.1 | .79 | .58 |
| CTFCF-221K | 220 | 50 | 2.1 | .79 | .49 |
| CTFCF-251K | 250 | 40 | 2.7 | .79 | .49 |
| CTFCF-271K | 270 | 50 | 2.5 | .79 | .45 |
| CTFCF-331K | 330 | 50 | 3.3 | .79 | .41 |
| CTFCF-391K | 390 | 45 | 3.4 | .79 | .39 |
| CTFCF-471K | 470 | 40 | 5.3 | .79 | .35 |
| CTFCF-501K | 500 | 35 | 3.3 | .79 | .34 |
| CTFCF-561K | 560 | 40 | 5.4 | .79 | .32 |
| CTFCF-681K | 680 | 45 | 5.9 | .79 | .29 |
| CTFCF-751K | 750 | 30 | 4.2 | .79 | .28 |
| CTFCF-821K | 820 | 40 | 6.3 | .79 | .27 |
| CTFCF-102K | 1000 | 70 | 8.6 | .25 | .21 |
| CTFCF-122K | 1200 | 70 | 10 | .25 | .21 |
| CTFCF-152K | 1500 | 62 | 14 | .25 | .19 |
| CTFCF-182K | 1800 | 62 | 16 | .25 | .17 |
| CTFCF-222K | 2200 | 60 | 18 | .25 | .15 |
| CTFCF-252K | 2500 | 60 | 18 | .25 | .14 |
| CTFCF-272K | 2700 | 60 | 19 | .25 | .14 |
| CTFCF-332K | 3300 | 50 | 22 | .25 | .13 |
| CTFCF-392K | 3900 | 50 | 26 | .25 | .12 |
| CTFCF-472K | 4700 | 50 | 29 | .25 | .11 |
| CTFCF-502K | 5000 | 45 | 31 | .25 | .10 |
| CTFCF-602K | 6000 | 35 | 31 | .25 | .10 |
| CTFCF-752K | 7500 | 25 | 50 | .25 | .08 |
| CTFCF-103K | 10000 | 25 | 70 | .25 | .07 |

CHARACTERISTICS

- Description:** Radial leaded High Q flat RF choke
- Applications:** Ideally suited for use in high density printed circuit board assemblies. Offers twice the inductances and Q values as axial leaded inductors.
- Operating Temperature:** -20°C to +100°C
- Inductance Tolerance:** K = $\pm 10\%$
- Packaging:** Bulk pack, 500 parts per bag
- Marking:** Stamped with inductance code
- Testing:** Tested on a HP4285A at specified frequency
- Leads:** Soft copper and pre-tinned
- Miscellaneous:** RoHS Compliant
- Samples available. See website for ordering information.**

PHYSICAL DIMENSIONS

| Size | A | B | C | D | E | 24 AWG |
|--------|------|-----------------|-----------------|------|-----------------|---------|
| | | | | Typ. | | Nom. |
| mm | 10.1 | 8.90 \pm 1.30 | 3.81 \pm 0.76 | 25.4 | 8.90 \pm 1.30 | 0.5110 |
| inches | 0.40 | 0.35 \pm 0.05 | 0.15 \pm 0.03 | 1.00 | 0.35 \pm 0.05 | 0.02010 |

