# CTCH654F Series
## From 22µH to 1,000µH




## CHARACTERISTICS

**Description:** Radial leaded fixed inductor
**Applications:** Ideal for use as a power choke coil in switching power supply, TV sets, video appliances, and industrial equipment as well as use as a peaking coil in filtering applications
**Inductance Tolerance:** ±10%
**Testing:** Tested on a HP4285A or HP4284A at specified frequency
**Packaging:** Bulk packaging
**Rated Current:** The rated D.C. current indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition is 10% lower than its initial value at D.C. superposition or D.C. current when at Δt=40°C, whichever is lower. (Ta=20°C)
**Miscellaneous:** RoHS Compliant
**Additional Information:** Additional electrical & physical information available upon request
**Samples available. See website for ordering information.**

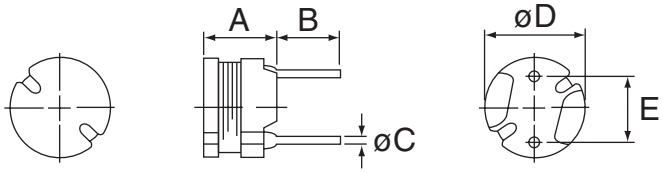
## SPECIFICATIONS

**Part numbers indicate available inductance tolerance.**
**K = ±10%**

| Part Number | Inductance (µH±10%) | Test Freq. (_Hz) | DCR Max. (Ω) | Rated DC (A) |
|---|---|---|---|---|
| CTCH654F-220K | 22 | 2.52M | 0.18 | 0.90 |
| CTCH654F-270K | 27 | 2.52M | 0.21 | 0.81 |
| CTCH654F-330K | 33 | 2.52M | 0.27 | 0.74 |
| CTCH654F-390K | 39 | 2.52M | 0.29 | 0.68 |
| CTCH654F-470K | 47 | 2.52M | 0.34 | 0.62 |
| CTCH654F-560K | 56 | 2.52M | 0.42 | 0.57 |
| CTCH654F-680K | 68 | 2.52M | 0.48 | 0.51 |
| CTCH654F-820K | 82 | 2.52M | 0.55 | 0.47 |
| CTCH654F-101K | 100 | 1.00k | 0.68 | 0.42 |
| CTCH654F-121K | 120 | 1.00k | 0.77 | 0.39 |
| CTCH654F-151K | 150 | 1.00k | 0.95 | 0.35 |
| CTCH654F-181K | 180 | 1.00k | 1.15 | 0.32 |
| CTCH654F-221K | 220 | 1.00k | 1.30 | 0.29 |
| CTCH654F-271K | 270 | 1.00k | 1.55 | 0.26 |
| CTCH654F-331K | 330 | 1.00k | 2.18 | 0.23 |
| CTCH654F-391K | 390 | 1.00k | 2.47 | 0.21 |
| CTCH654F-471K | 470 | 1.00k | 2.92 | 0.20 |
| CTCH654F-561K | 560 | 1.00k | 3.97 | 0.18 |
| CTCH654F-681K | 680 | 1.00k | 4.57 | 0.16 |
| CTCH654F-821K | 820 | 1.00k | 5.28 | 0.15 |
| CTCH654F-102K | 1000 | 1.00k | 7.06 | 0.13 |

## PHYSICAL DIMENSIONS

| Size | A Max. | B | C | D | E |
|---|---|---|---|---|---|
| mm | 5.0 | 4.0±1.0 | 0.5+0.1, -0.05 | 6.0±0.5 | 4.0±0.3 |
| inches | 0.20 | 0.16±0.04 | 0.02+0.004,-0.002 | 0.24±0.02 | 0.16±0.012 |





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## Central Technologies:

CTMLP080504CF-R24M CT0805LSF-123J CTMC1210SF-R68K CTS7F-122K CTM3F-R47J CTCB1206F-300U CTGS32F-1R2M CT0402CSF-22NG CTCDRH104RF-150 CTM2474F-121L CTSLF1045TF-100M CT0603LSF-472J CTC2F-R27K CTCDRH5D28F-5R6N CTMC1812SF-8R2J CTCB0603F-102S CTLQH3KSF-152M CTMC1812SF-680J CTGSR105BF-181M CTGSR105BF-221M CTLQ1812CF-470K CTCDRH6D38F-7R4N CT262LYF-472J CTCDRH125F-221M CTCDRH127/LDF-2R4N CTCDRH127F-820M CTAC1008F-10NK CTMC1210SF-330J CTMC1812SF-2R7J CTGS54F-101K