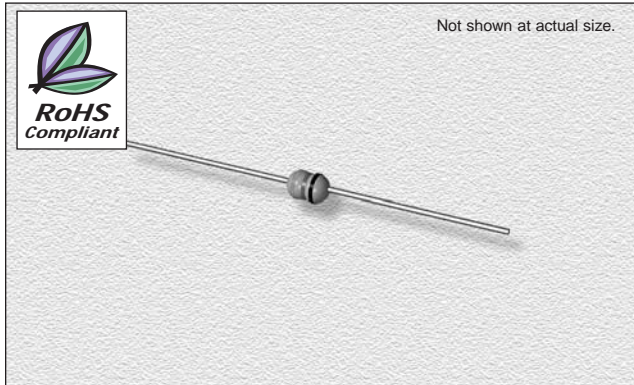


CTCOF Series

From .22 μ H to 220 μ H

SPECIFICATIONS

Please specify tolerance code when ordering.
 CTCOF-R22_ ← J = \pm 5%, K = \pm 10%, M = \pm 20%



CHARACTERISTICS

- Description:** Axial leaded conformal coated inductor
- Applications:** Used in less harsh environments. Ideal for less critical RFL/EMI applications
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:** \pm 5%, \pm 10%, \pm 20%
- Testing:** Inductance and Q are tested on an HP4285A at specified frequency
- Packaging:** Bulk, 1000 pieces per bag, Tape & Reel - 5000 pieces per reel
- Material:** Magnetic core treated with epoxy resin for protection and longer reliability
- Marking:** Parts are EIA three color banded indicating inductance value and tolerance
- Miscellaneous:** **RoHS Compliant.** Other values available.
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

| Part Number | Inductance (μ H) | L Test Freq. (MHz) | Q Factor Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | Rated DC (mA) |
|-------------|-----------------------|--------------------|---------------|--------------------|----------------|-----------------------|---------------|
| CTCOF-R22_ | .22 | 25.2 | 42 | 25.2 | 150 | .40 | 400 |
| CTCOF-R27_ | .27 | 25.2 | 42 | 25.2 | 150 | .43 | 380 |
| CTCOF-R33_ | .33 | 25.2 | 42 | 25.2 | 150 | .48 | 370 |
| CTCOF-R39_ | .39 | 25.2 | 42 | 25.2 | 150 | .51 | 350 |
| CTCOF-R47_ | .47 | 25.2 | 42 | 25.2 | 150 | .56 | 330 |
| CTCOF-R56_ | .56 | 25.2 | 42 | 25.2 | 150 | .61 | 320 |
| CTCOF-R68_ | .68 | 25.2 | 50 | 25.2 | 150 | .67 | 310 |
| CTCOF-R82_ | .82 | 25.2 | 50 | 25.2 | 150 | .71 | 290 |
| CTCOF-1R0_ | 1.0 | 25.2 | 50 | 25.2 | 150 | .80 | 270 |
| CTCOF-1R2_ | 1.2 | 7.96 | 50 | 7.96 | 110 | .90 | 260 |
| CTCOF-1R5_ | 1.5 | 7.96 | 50 | 7.96 | 80 | 1.00 | 250 |
| CTCOF-1R8_ | 1.8 | 7.96 | 50 | 7.96 | 80 | 1.10 | 240 |
| CTCOF-2R2_ | 2.2 | 7.96 | 50 | 7.96 | 45 | 1.20 | 230 |
| CTCOF-2R7_ | 2.7 | 7.96 | 50 | 7.96 | 40 | 1.30 | 220 |
| CTCOF-3R3_ | 3.3 | 7.96 | 55 | 7.96 | 38 | 1.40 | 210 |
| CTCOF-3R9_ | 3.9 | 7.96 | 55 | 7.96 | 35 | 1.60 | 200 |
| CTCOF-4R7_ | 4.7 | 7.96 | 55 | 7.96 | 32 | 1.70 | 190 |
| CTCOF-5R6_ | 5.6 | 7.96 | 55 | 7.96 | 30 | 1.90 | 180 |
| CTCOF-6R8_ | 6.8 | 7.96 | 55 | 7.96 | 28 | 2.00 | 175 |
| CTCOF-8R2_ | 8.2 | 7.96 | 55 | 7.96 | 26 | 2.20 | 165 |
| CTCOF-100_ | 10 | 7.96 | 55 | 7.96 | 24 | 2.50 | 160 |
| CTCOF-120_ | 12 | 2.52 | 55 | 2.52 | 22 | 2.50 | 150 |
| CTCOF-150_ | 15 | 2.52 | 55 | 2.52 | 20 | 2.80 | 145 |
| CTCOF-180_ | 18 | 2.52 | 55 | 2.52 | 18 | 3.10 | 140 |
| CTCOF-220_ | 22 | 2.52 | 55 | 2.52 | 17 | 3.40 | 130 |
| CTCOF-270_ | 27 | 2.52 | 55 | 2.52 | 16 | 4.30 | 80 |
| CTCOF-330_ | 33 | 2.52 | 55 | 2.52 | 14 | 4.70 | 76 |
| CTCOF-390_ | 39 | 2.52 | 55 | 2.52 | 13 | 5.20 | 74 |
| CTCOF-470_ | 47 | 2.52 | 55 | 2.52 | 12 | 5.80 | 70 |
| CTCOF-560_ | 56 | 2.52 | 55 | 2.52 | 11 | 6.40 | 68 |
| CTCOF-680_ | 68 | 2.52 | 55 | 2.52 | 10 | 7.20 | 64 |
| CTCOF-820_ | 82 | 2.52 | 55 | 2.52 | 9.5 | 11.0 | 46 |
| CTCOF-101_ | 100 | .796 | 55 | .796 | 9.0 | 12.0 | 44 |
| CTCOF-121_ | 120 | .796 | 55 | .796 | 8.0 | 13.0 | 43 |
| CTCOF-151_ | 150 | .796 | 55 | .796 | 6.0 | 16.0 | 40 |
| CTCOF-181_ | 180 | .796 | 55 | .796 | 5.5 | 18.0 | 38 |
| CTCOF-221_ | 220 | .796 | 55 | .796 | 5.0 | 20.0 | 35 |

PHYSICAL DIMENSIONS

| Size | A | B | C | 24 AWG |
|--------|-------|-----------------|------|--------|
| mm | 3.4 | 2.2 \pm 0.2 | 26.6 | 0.5110 |
| inches | 0.135 | 0.09 \pm 0.01 | 1.05 | 0.2010 |

