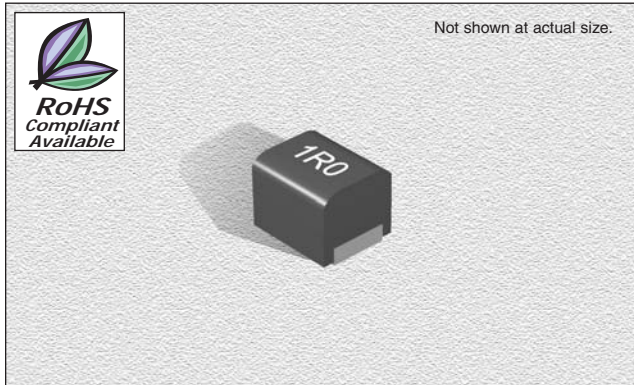


CTMC1008 Series

From .01 μ H to 100 μ H



CHARACTERISTICS

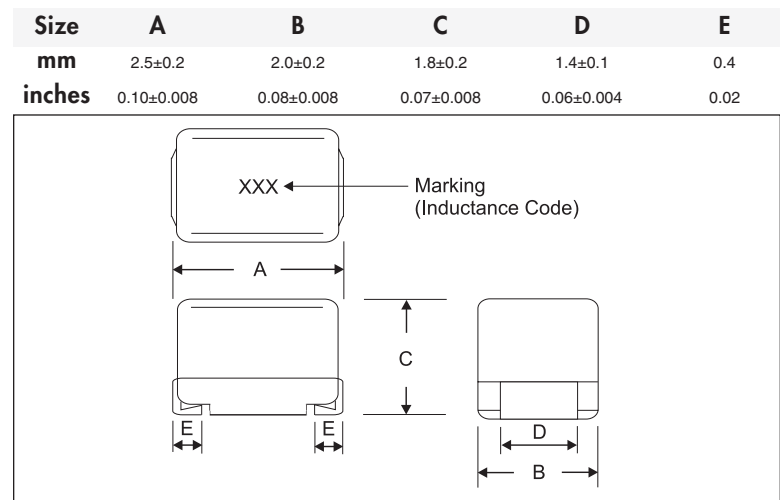
- Description:** Ferrite core, wire-wound molded chip inductor
- Applications:** TVs, VCRs, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobiles
- Operating Temperature:** -45°C to +85°C
- Storage Temperature:** -55°C to +105°C
- Inductance Tolerance:** $\pm 5\%$, $\pm 10\%$ & $\pm 20\%$
- Testing:** Inductance and Q are tested on a HP4285A or a HP4286A at a specified frequency
- Packaging:** Tape & Reel
- Marking:** Parts are marked with inductance code
- Miscellaneous:** RoHS Compliant available
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

SPECIFICATIONS

Please specify tolerance code when ordering.
 CTMC1008-R010_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$
 CTMC1008E Please specify "F" for RoHS Compliant

| Part Number | Inductance (μ H) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | Rated DC (mA) |
|-----------------|-----------------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CTMC1008_-R010_ | .010 | 100 | 15 | 100 | 2150 | .26 | 530 |
| CTMC1008_-R012_ | .012 | 100 | 15 | 100 | 2050 | .27 | 500 |
| CTMC1008_-R015_ | .015 | 100 | 15 | 100 | 1850 | .29 | 480 |
| CTMC1008_-R018_ | .018 | 100 | 15 | 100 | 1650 | .31 | 450 |
| CTMC1008_-R022_ | .022 | 100 | 15 | 100 | 1550 | .37 | 420 |
| CTMC1008_-R027_ | .027 | 100 | 15 | 100 | 1400 | .40 | 410 |
| CTMC1008_-R033_ | .033 | 100 | 20 | 100 | 1250 | .42 | 400 |
| CTMC1008_-R039_ | .039 | 100 | 20 | 100 | 1100 | .45 | 380 |
| CTMC1008_-R047_ | .047 | 100 | 20 | 100 | 1050 | .50 | 360 |
| CTMC1008_-R056_ | .056 | 100 | 20 | 100 | 950 | .60 | 340 |
| CTMC1008_-R068_ | .068 | 100 | 20 | 100 | 900 | .65 | 320 |
| CTMC1008_-R082_ | .082 | 100 | 20 | 100 | 850 | .75 | 300 |
| CTMC1008_-R10_ | .10 | 100 | 20 | 100 | 750 | .80 | 280 |
| CTMC1008_-R12_ | .12 | 25.2 | 30 | 25.2 | 700 | .30 | 550 |
| CTMC1008_-R15_ | .15 | 25.2 | 30 | 25.2 | 550 | .35 | 500 |
| CTMC1008_-R18_ | .18 | 25.2 | 30 | 25.2 | 500 | .40 | 460 |
| CTMC1008_-R22_ | .22 | 25.2 | 30 | 25.2 | 450 | .50 | 430 |
| CTMC1008_-R27_ | .27 | 25.2 | 30 | 25.2 | 425 | .55 | 420 |
| CTMC1008_-R33_ | .33 | 25.2 | 30 | 25.2 | 400 | .60 | 400 |
| CTMC1008_-R39_ | .39 | 25.2 | 30 | 25.2 | 375 | .65 | 375 |
| CTMC1008_-R47_ | .47 | 25.2 | 30 | 25.2 | 350 | .68 | 350 |
| CTMC1008_-R56_ | .56 | 25.2 | 30 | 25.2 | 325 | .75 | 325 |
| CTMC1008_-R68_ | .68 | 25.2 | 30 | 25.2 | 300 | .85 | 300 |
| CTMC1008_-R82_ | .82 | 25.2 | 30 | 25.2 | 260 | 1.00 | 260 |
| CTMC1008_-1R0_ | 1.0 | 7.96 | 30 | 7.96 | 245 | 1.10 | 245 |
| CTMC1008_-1R2_ | 1.2 | 7.96 | 30 | 7.96 | 230 | 1.20 | 230 |
| CTMC1008_-1R5_ | 1.5 | 7.96 | 30 | 7.96 | 182 | 1.30 | 220 |
| CTMC1008_-1R8_ | 1.8 | 7.96 | 30 | 7.96 | 135 | 1.45 | 210 |
| CTMC1008_-2R2_ | 2.2 | 7.96 | 30 | 7.96 | 105 | 1.55 | 200 |
| CTMC1008_-2R7_ | 2.7 | 7.96 | 30 | 7.96 | 70 | 1.70 | 195 |
| CTMC1008_-3R3_ | 3.3 | 7.96 | 30 | 7.96 | 55 | 1.90 | 185 |
| CTMC1008_-3R9_ | 3.9 | 7.96 | 30 | 7.96 | 48 | 2.10 | 180 |
| CTMC1008_-4R7_ | 4.7 | 7.96 | 30 | 7.96 | 43 | 2.30 | 175 |
| CTMC1008_-5R6_ | 5.6 | 7.96 | 25 | 7.96 | 42 | 2.50 | 170 |
| CTMC1008_-6R8_ | 6.8 | 7.96 | 25 | 7.96 | 39 | 2.70 | 165 |
| CTMC1008_-8R2_ | 8.2 | 7.96 | 25 | 7.96 | 36 | 3.05 | 160 |
| CTMC1008_-10_ | 10 | 2.52 | 25 | 2.52 | 33 | 3.50 | 155 |
| CTMC1008_-12_ | 12 | 2.52 | 25 | 2.52 | 30 | 3.80 | 150 |
| CTMC1008_-15_ | 15 | 2.52 | 25 | 2.52 | 26 | 4.40 | 140 |
| CTMC1008_-18_ | 18 | 2.52 | 25 | 2.52 | 24 | 4.80 | 130 |
| CTMC1008_-22_ | 22 | 2.52 | 25 | 2.52 | 22 | 5.50 | 125 |
| CTMC1008_-27_ | 27 | 2.52 | 25 | 2.52 | 21 | 6.30 | 115 |
| CTMC1008_-33_ | 33 | 2.52 | 25 | 2.52 | 20 | 7.10 | 110 |
| CTMC1008_-39_ | 39 | 2.52 | 20 | 2.52 | 18 | 9.50 | 90 |
| CTMC1008_-47_ | 47 | 2.52 | 20 | 2.52 | 17 | 11.10 | 80 |
| CTMC1008_-56_ | 56 | 2.52 | 20 | 2.52 | 16 | 12.10 | 75 |
| CTMC1008_-68_ | 68 | 2.52 | 20 | 2.52 | 15 | 16.60 | 70 |
| CTMC1008_-82_ | 82 | 2.52 | 20 | 2.52 | 13 | 19.00 | 66 |
| CTMC1008_-101_ | 100 | .796 | 15 | .796 | 12 | 21.00 | 60 |

PHYSICAL DIMENSIONS



03.24.06