

查询"CTMC1008F-1R8K"供应商

## CTMC1008 Series

From .01  $\mu\text{H}$  to 100  $\mu\text{H}$ 

## 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.**

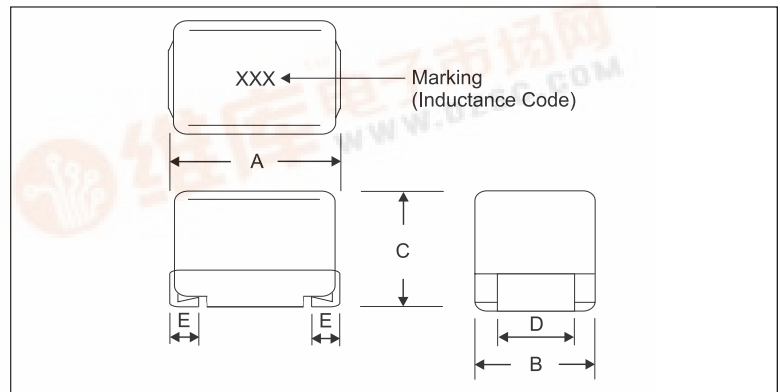
## SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTMC1008-R010  $\leftarrow$  J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
 CTMC1008F Please specify "F" for RoHS Compliant

| Part Number     | Inductance ( $\mu\text{H}$ ) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | 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_-100_  | 10                           | 2.52               | 25           | 2.52               | 33             | 3.50                  | 155           |
| CTMC1008_-120_  | 12                           | 2.52               | 25           | 2.52               | 30             | 3.80                  | 150           |
| CTMC1008_-150_  | 15                           | 2.52               | 25           | 2.52               | 26             | 4.40                  | 140           |
| CTMC1008_-180_  | 18                           | 2.52               | 25           | 2.52               | 24             | 4.80                  | 130           |
| CTMC1008_-220_  | 22                           | 2.52               | 25           | 2.52               | 22             | 5.50                  | 125           |
| CTMC1008_-270_  | 27                           | 2.52               | 25           | 2.52               | 21             | 6.30                  | 115           |
| CTMC1008_-330_  | 33                           | 2.52               | 25           | 2.52               | 20             | 7.10                  | 110           |
| CTMC1008_-390_  | 39                           | 2.52               | 20           | 2.52               | 18             | 9.50                  | 90            |
| CTMC1008_-470_  | 47                           | 2.52               | 20           | 2.52               | 17             | 11.10                 | 80            |
| CTMC1008_-560_  | 56                           | 2.52               | 20           | 2.52               | 16             | 12.10                 | 75            |
| CTMC1008_-680_  | 68                           | 2.52               | 20           | 2.52               | 15             | 16.60                 | 70            |
| CTMC1008_-820_  | 82                           | 2.52               | 20           | 2.52               | 13             | 19.00                 | 66            |
| CTMC1008_-101_  | 100                          | .796               | 15           | .796               | 12             | 21.00                 | 60            |

## PHYSICAL DIMENSIONS

| Size   | A                | B                | C                | D                | E    |
|--------|------------------|------------------|------------------|------------------|------|
| mm     | 2.5 $\pm$ 0.2    | 2.0 $\pm$ 0.2    | 1.8 $\pm$ 0.2    | 1.4 $\pm$ 0.1    | 0.4  |
| inches | 0.10 $\pm$ 0.008 | 0.08 $\pm$ 0.008 | 0.07 $\pm$ 0.008 | 0.06 $\pm$ 0.004 | 0.02 |



03.24.06

Manufacturer of Inductors, Chokes, Coils, Beads, Transformers &amp; Toroids

800-684-5322 Inside US

949-453-1811 Outside US

Copyright © 2006 by CT Magnetics, DBA Central Technologies. All rights reserved.

CT Magnetics reserves the right to make improvements or change specifications without notice

