

查询"CTS4F-183K"供应商

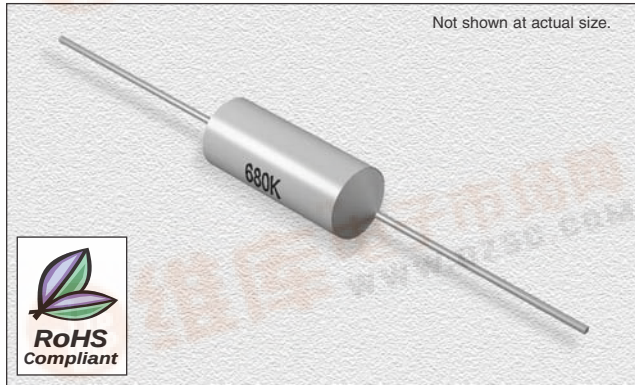
## CTS4F Series

From .10  $\mu$ H to 150,000  $\mu$ H

### SPECIFICATIONS

Please specify tolerance code when ordering.  
CTS4F-R10 ← J =  $\pm 5\%$ , K =  $\pm 10\%$

#### ENGINEERING KIT #20F



### CHARACTERISTICS

**Description:** Axial leaded (shielded) inductor

**Applications:** Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications. Higher DC current than CTS3 series

**Operating Temperature:** -55°C to +125°C

**Inductance Tolerance:**  $\pm 5\%$  &  $\pm 10\%$

**Testing:** Inductance and Q are tested on an HP4284A or HP4285A at specified frequency

**Packaging:** Tape & Reel, 2,500 parts per reel

**Marking:** EIA color banded with inductance code or marked with part value

**Material:** Molded epoxy resin over the magnetic core for superior shielding and reliability.

**Incremental Current:** DC current required to cause a maximum reduction of 5% in inductance for nominal value of inductance measured with zero DC current

**Shielding:** Less than 3% coupling units side by side @ 1 kHz

**Miscellaneous:** RoHS Compliant. Other values available

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

| Size   | A<br>Max. | B<br>Max. | C<br>Typ. | 24 AWG<br>Nom. |
|--------|-----------|-----------|-----------|----------------|
| mm     | 11.4      | 4.06      | 29.2      | 0.511          |
| inches | 0.45      | 0.16      | 1.15      | 0.02           |

| Part Number | Inductance ( $\mu$ H) | L Test Freq. (Hz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | Rated DC (mA) | Incr (mA) |
|-------------|-----------------------|-------------------|--------------|--------------------|----------------|-----------------------|---------------|-----------|
| CTS4F-R10   | .10                   | 25M               | 50           | 25                 | 400            | .02                   | 3000          | 3000      |
| CTS4F-R12   | .12                   | 25M               | 50           | 25                 | 400            | .03                   | 2860          | 2860      |
| CTS4F-R15   | .15                   | 25M               | 50           | 25                 | 400            | .03                   | 2600          | 2600      |
| CTS4F-R18   | .18                   | 25M               | 50           | 25                 | 400            | .04                   | 2300          | 2300      |
| CTS4F-R22   | .22                   | 25M               | 50           | 25                 | 400            | .05                   | 2050          | 2050      |
| CTS4F-R27   | .27                   | 25M               | 50           | 25                 | 400            | .09                   | 1625          | 1625      |
| CTS4F-R33   | .33                   | 25M               | 47           | 25                 | 325            | .12                   | 1400          | 1400      |
| CTS4F-R39   | .39                   | 25M               | 47           | 25                 | 390            | .16                   | 1220          | 1200      |
| CTS4F-R47   | .47                   | 25M               | 47           | 25                 | 264            | .22                   | 1060          | 1060      |
| CTS4F-R56   | .56                   | 25M               | 45           | 25                 | 249            | .29                   | 900           | 900       |
| CTS4F-R68   | .68                   | 25M               | 43           | 25                 | 221            | .38                   | 790           | 790       |
| CTS4F-R82   | .82                   | 25M               | 41           | 25                 | 200            | .45                   | 725           | 725       |
| CTS4F-1R0   | 1.0                   | 25M               | 42           | 25                 | 156            | .05                   | 2080          | 2080      |
| CTS4F-1R2   | 1.2                   | 7.9M              | 43           | 7.9                | 144            | .07                   | 1840          | 1840      |
| CTS4F-1R5   | 1.5                   | 7.9M              | 41           | 7.9                | 128            | .09                   | 1560          | 1560      |
| CTS4F-1R8   | 1.8                   | 7.9M              | 42           | 7.9                | 121            | .11                   | 1480          | 1480      |
| CTS4F-2R2   | 2.2                   | 7.9M              | 42           | 7.9                | 108            | .14                   | 1290          | 1290      |
| CTS4F-2R7   | 2.7                   | 7.9M              | 41           | 7.9                | 96             | .18                   | 1130          | 1130      |
| CTS4F-3R3   | 3.3                   | 7.9M              | 41           | 7.9                | 88             | .26                   | 950           | 950       |
| CTS4F-3R9   | 3.9                   | 7.9M              | 41           | 7.9                | 84             | .35                   | 815           | 815       |
| CTS4F-4R7   | 4.7                   | 7.9M              | 42           | 7.9                | 72             | .47                   | 710           | 710       |
| CTS4F-5R6   | 5.6                   | 7.9M              | 42           | 7.9                | 69             | .51                   | 680           | 680       |
| CTS4F-6R8   | 6.8                   | 7.9M              | 42           | 7.9                | 62             | .75                   | 560           | 560       |
| CTS4F-8R2   | 8.2                   | 7.9M              | 46           | 7.9                | 58             | .83                   | 535           | 535       |
| CTS4F-100   | 10                    | 7.9M              | 46           | 7.9                | 53             | 1.3                   | 432           | 432       |
| CTS4F-120   | 12                    | 2.5M              | 50           | 2.5                | 47             | 1.7                   | 368           | 368       |
| CTS4F-150   | 15                    | 2.5M              | 50           | 2.5                | 41             | 2.3                   | 325           | 325       |
| CTS4F-180   | 18                    | 2.5M              | 50           | 2.5                | 43             | .67                   | 596           | 235       |
| CTS4F-220   | 22                    | 2.5M              | 50           | 2.5                | 38             | .74                   | 565           | 220       |
| CTS4F-270   | 27                    | 1.0k              | 50           | 2.5                | 36             | .85                   | 526           | 200       |
| CTS4F-330   | 33                    | 1.0k              | 50           | 2.5                | 33             | .93                   | 505           | 190       |
| CTS4F-390   | 39                    | 1.0k              | 50           | 2.5                | 29             | 1.3                   | 429           | 180       |
| CTS4F-470   | 47                    | 1.0k              | 55           | 2.5                | 27             | 1.5                   | 400           | 175       |
| CTS4F-560   | 56                    | 1.0k              | 55           | 2.5                | 25             | 1.6                   | 380           | 160       |
| CTS4F-680   | 68                    | 1.0k              | 55           | 2.5                | 23             | 2.2                   | 328           | 150       |
| CTS4F-820   | 82                    | 1.0k              | 55           | 2.5                | 14             | 1.9                   | 349           | 140       |
| CTS4F-101   | 100                   | 1.0k              | 65           | 2.5                | 12             | 2.3                   | 322           | 120       |
| CTS4F-121   | 120                   | 1.0k              | 65           | .79                | 11             | 2.4                   | 311           | 95        |
| CTS4F-151   | 150                   | 1.0k              | 65           | .79                | 11             | 2.8                   | 294           | 90        |
| CTS4F-181   | 180                   | 1.0k              | 65           | .79                | 10             | 3.1                   | 277           | 85        |
| CTS4F-221   | 220                   | 1.0k              | 65           | .79                | 9.4            | 3.5                   | 251           | 80        |
| CTS4F-271   | 270                   | 1.0k              | 65           | .79                | 8.0            | 4.5                   | 231           | 70        |
| CTS4F-331   | 330                   | 1.0k              | 65           | .79                | 7.3            | 5.1                   | 215           | 65        |
| CTS4F-391   | 390                   | 1.0k              | 65           | .79                | 6.9            | 5.6                   | 205           | 60        |
| CTS4F-471   | 470                   | 1.0k              | 70           | .79                | 6.5            | 6.4                   | 192           | 58        |
| CTS4F-561   | 560                   | 1.0k              | 70           | .79                | 6.0            | 8.0                   | 174           | 55        |
| CTS4F-681   | 680                   | 1.0k              | 75           | .79                | 5.6            | 8.8                   | 163           | 50        |
| CTS4F-821   | 820                   | 1.0k              | 70           | .79                | 4.8            | 10                    | 151           | 45        |
| CTS4F-102   | 1000                  | 1.0k              | 65           | .79                | 4.5            | 12                    | 139           | 40        |
| CTS4F-122   | 1200                  | 1.0k              | 70           | .25                | 2.6            | 15                    | 125           | 35        |
| CTS4F-152   | 1500                  | 1.0k              | 70           | .25                | 2.5            | 17                    | 119           | 33        |
| CTS4F-182   | 1800                  | 1.0k              | 70           | .25                | 2.3            | 19                    | 111           | 30        |
| CTS4F-222   | 2200                  | 1.0k              | 70           | .25                | 2.2            | 22                    | 103           | 27        |
| CTS4F-272   | 2700                  | 1.0k              | 70           | .25                | 2.1            | 25                    | 97            | 25        |
| CTS4F-332   | 3300                  | 1.0k              | 70           | .25                | 2.0            | 33                    | 85            | 22        |
| CTS4F-392   | 3900                  | 1.0k              | 70           | .25                | 1.8            | 37                    | 80            | 20        |
| CTS4F-472   | 4700                  | 1.0k              | 70           | .25                | 1.7            | 51                    | 68            | 19        |
| CTS4F-562   | 5600                  | 1.0k              | 70           | .25                | 1.6            | 54                    | 66            | 17        |
| CTS4F-682   | 6800                  | 1.0k              | 70           | .25                | 1.5            | 62                    | 62            | 16        |
| CTS4F-822   | 8200                  | 1.0k              | 70           | .25                | 1.4            | 86                    | 52            | 15        |
| CTS4F-103   | 10000                 | 1.0k              | 70           | .25                | 1.3            | 93                    | 50            | 14        |
| CTS4F-123   | 12000                 | 1.0k              | 50           | .25                | .88            | 84                    | 53            | 13        |
| CTS4F-153   | 15000                 | 1.0k              | 50           | .079               | .78            | 97                    | 49            | 12        |
| CTS4F-183   | 18000                 | 1.0k              | 50           | .079               | .72            | 104                   | 48            | 10        |
| CTS4F-223   | 22000                 | 1.0k              | 50           | .079               | .57            | 145                   | 40            | 9.0       |
| CTS4F-273   | 27000                 | 1.0k              | 50           | .079               | .46            | 195                   | 34            | 8.0       |
| CTS4F-333   | 33000                 | 1.0k              | 50           | .079               | .42            | 222                   | 32            | 7.0       |
| CTS4F-393   | 39000                 | 1.0k              | 50           | .079               | .42            | 242                   | 31            | 6.0       |
| CTS4F-473   | 47000                 | 1.0k              | 50           | .079               | .37            | 217                   | 27            | 5.0       |
| CTS4F-563   | 56000                 | 1.0k              | 50           | .079               | .36            | 362                   | 25            | 5.0       |
| CTS4F-683   | 68000                 | 1.0k              | 50           | .079               | .34            | 410                   | 24            | 4.0       |
| CTS4F-823   | 82000                 | 1.0k              | 50           | .079               | .33            | 440                   | 23            | 3.0       |
| CTS4F-104   | 100000                | 1.0k              | 50           | .079               | .32            | 484                   | 22            | 3.0       |
| CTS4F-154   | 150000                | 25k               | 30           | .025               | .18            | 560                   | 15            | 3.0       |

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Manufacturer of Passive and Discrete Semiconductor Components

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