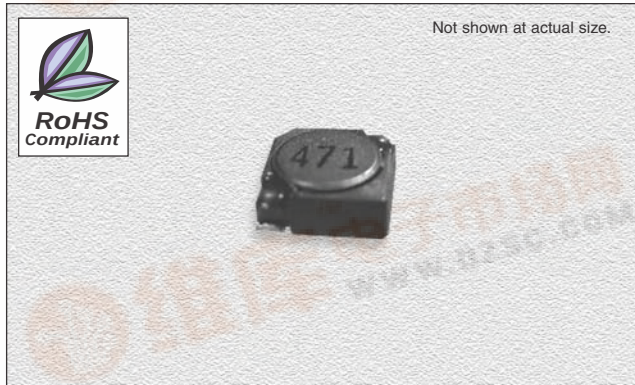


查询"CTCDC5D23F-101K"供应商

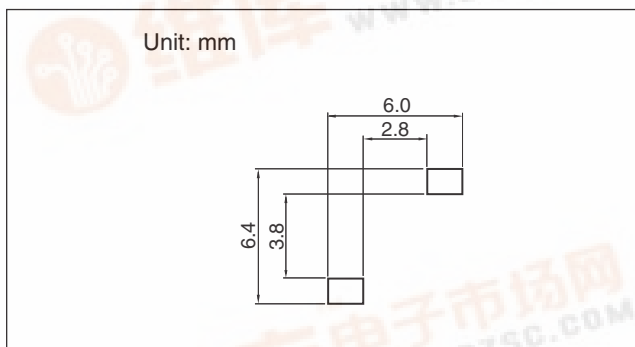
## CTCDC5D23F Series

From 2.7  $\mu\text{H}$  to 470  $\mu\text{H}$ 

## CHARACTERISTICS

**Description:** SMD (shielded) power inductor**Applications:** Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.**Operating Temperature:** -30°C to +100°C**Rated DC Current:** Indicates the current when the inductance is 10% lower than its initial value at D.C. superimposition or D.C. current when at  $\Delta T=40^\circ\text{C}$  lower, whichever is lower.**Inductance Tolerance:**  $\pm 10\%$ ,  $\pm 15\%$ ,  $\pm 20\%$ **Testing:** Tested on a HP4285A at 100 KHz, 0.25Vrms, 0Adc**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.**

## PAD LAYOUT



## SPECIFICATIONS

Parts numbers indicate available inductance tolerance.

K =  $\pm 10\%$ , L =  $\pm 15\%$ , M =  $\pm 20\%$ 

| Part Number     | Inductance ( $\mu\text{H}$ ) | L Test Freq. (kHz) | DCR Max. (m $\Omega$ ) | Rated DC Current (A) |
|-----------------|------------------------------|--------------------|------------------------|----------------------|
| CTCDC5D23F-2R7M | 2.7                          | 100                | 44                     | 2.080                |
| CTCDC5D23F-3R3M | 3.3                          | 100                | 49                     | 1.900                |
| CTCDC5D23F-3R9M | 3.9                          | 100                | 56                     | 1.840                |
| CTCDC5D23F-4R7M | 4.7                          | 100                | 62                     | 1.600                |
| CTCDC5D23F-5R6M | 5.6                          | 100                | 78                     | 1.440                |
| CTCDC5D23F-6R8M | 6.8                          | 100                | 91                     | 1.300                |
| CTCDC5D23F-8R2M | 8.2                          | 100                | 103                    | 1.120                |
| CTCDC5D23F-100L | 10                           | 100                | 133                    | 1.040                |
| CTCDC5D23F-120L | 12                           | 100                | 148                    | 0.900                |
| CTCDC5D23F-150K | 15                           | 100                | 166                    | 0.820                |
| CTCDC5D23F-180K | 18                           | 100                | 213                    | 0.770                |
| CTCDC5D23F-220K | 22                           | 100                | 248                    | 0.730                |
| CTCDC5D23F-270K | 27                           | 100                | 328                    | 0.640                |
| CTCDC5D23F-330K | 33                           | 100                | 378                    | 0.580                |
| CTCDC5D23F-390K | 39                           | 100                | 438                    | 0.540                |
| CTCDC5D23F-470K | 47                           | 100                | 546                    | 0.440                |
| CTCDC5D23F-560K | 56                           | 100                | 621                    | 0.430                |
| CTCDC5D23F-680K | 68                           | 100                | 715                    | 0.410                |
| CTCDC5D23F-820K | 82                           | 100                | 1000                   | 0.350                |
| CTCDC5D23F-101K | 100                          | 100                | 1070                   | 0.330                |
| CTCDC5D23F-121K | 120                          | 100                | 1250                   | 0.320                |
| CTCDC5D23F-151K | 150                          | 100                | 1660                   | 0.260                |
| CTCDC5D23F-181K | 180                          | 100                | 1900                   | 0.230                |
| CTCDC5D23F-221K | 220                          | 100                | 2440                   | 0.210                |
| CTCDC5D23F-271K | 270                          | 100                | 2730                   | 0.190                |
| CTCDC5D23F-331K | 330                          | 100                | 3160                   | 0.180                |
| CTCDC5D23F-391K | 390                          | 100                | 4060                   | 0.170                |
| CTCDC5D23F-471K | 470                          | 100                | 4780                   | 0.165                |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C     | D     | E     |
|--------|--------|--------|-------|-------|-------|
| mm     | 6.0    | 2.5    | 1.2   | 0.8   | 2.2   |
| inches | 0.236  | 0.098  | 0.047 | 0.031 | 0.087 |

