

查询"CTSD20F-100M"供应商

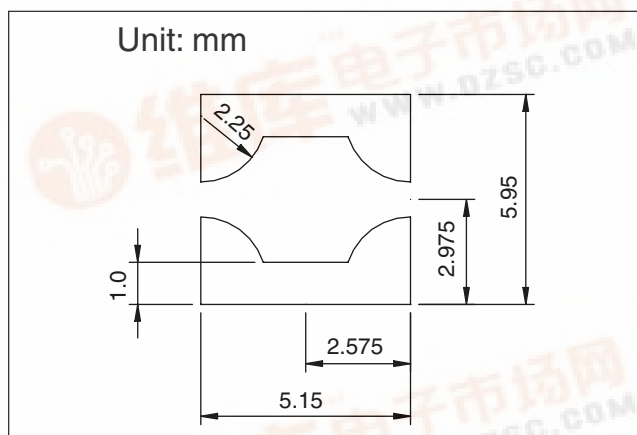
## CTSD20F Series

From 0.47  $\mu\text{H}$  to 1000  $\mu\text{H}$ 

## CHARACTERISTICS

**Description:** SMD (shielded) power inductor**Applications:** Digital cameras, CD players, cellular phones, PDAs, PCMCIA cards, GPS systems, etc.**Operating Temperature:** -40°C to +85°C**Inductance Tolerance:**  $\pm 20\%$ **Testing:** Tested on a HP4285A at 100 KHz**Packaging:** Tape & Reel**Marking:** Parts are marked with inductance code**Miscellaneous:** RoHS Compliant.**Additional Information:** Additional electrical & physical information available upon request**Samples available. See website for ordering information.**

## PAD LAYOUT



## SPECIFICATIONS

Parts are available in  $\pm 20\%$  tolerance only.\*I<sub>rms</sub>: Average current for 40°C temp. rise from 25°C.\*\*I<sub>sat</sub>: DC current at which the inductance drops 30% typ. from its value without current.

| Part Number  | Inductance ( $\mu\text{H} \pm 20\%$ ) | L Test Freq. (KHz) | DCR Max. ( $\Omega$ ) | *I <sub>rms</sub> Max. (A) | **I <sub>sat</sub> Max. (A) |
|--------------|---------------------------------------|--------------------|-----------------------|----------------------------|-----------------------------|
| CTSD20F-R47M | 0.47                                  | 100                | 0.0250                | 3.59                       | 4.00                        |
| CTSD20F-1R2M | 1.20                                  | 100                | 0.0344                | 3.07                       | 2.55                        |
| CTSD20F-1R5M | 1.50                                  | 100                | 0.0390                | 2.88                       | 2.15                        |
| CTSD20F-2R2M | 2.20                                  | 100                | 0.0536                | 2.45                       | 1.87                        |
| CTSD20F-3R3M | 3.30                                  | 100                | 0.0684                | 2.17                       | 1.47                        |
| CTSD20F-4R7M | 4.70                                  | 100                | 0.0765                | 2.05                       | 1.33                        |
| CTSD20F-6R2M | 6.20                                  | 100                | 0.0900                | 1.89                       | 1.12                        |
| CTSD20F-8R2M | 8.20                                  | 100                | 0.1250                | 1.61                       | 0.966                       |
| CTSD20F-100M | 10.0                                  | 100                | 0.1375                | 1.53                       | 0.903                       |
| CTSD20F-150M | 15.0                                  | 100                | 0.2069                | 1.25                       | 0.718                       |
| CTSD20F-220M | 22.0                                  | 100                | 0.2566                | 1.12                       | 0.596                       |
| CTSD20F-330M | 33.0                                  | 100                | 0.3875                | 0.913                      | 0.491                       |
| CTSD20F-470M | 47.0                                  | 100                | 0.5814                | 0.745                      | 0.406                       |
| CTSD20F-680M | 68.0                                  | 100                | 0.8685                | 0.610                      | 0.337                       |
| CTSD20F-820M | 82.0                                  | 100                | 0.9731                | 0.576                      | 0.308                       |
| CTSD20F-101M | 100                                   | 100                | 1.3250                | 0.495                      | 0.283                       |
| CTSD20F-151M | 150                                   | 100                | 1.7125                | 0.435                      | 0.228                       |
| CTSD20F-221M | 220                                   | 100                | 2.5500                | 0.356                      | 0.188                       |
| CTSD20F-331M | 330                                   | 100                | 3.7375                | 0.294                      | 0.155                       |
| CTSD20F-471M | 470                                   | 100                | 4.6750                | 0.263                      | 0.129                       |
| CTSD20F-681M | 680                                   | 100                | 6.950                 | 0.216                      | 0.107                       |
| CTSD20F-821M | 820                                   | 100                | 7.775                 | 0.204                      | 0.098                       |
| CTSD20F-102M | 1000                                  | 100                | 10.913                | 0.172                      | 0.088                       |

## PHYSICAL DIMENSIONS

