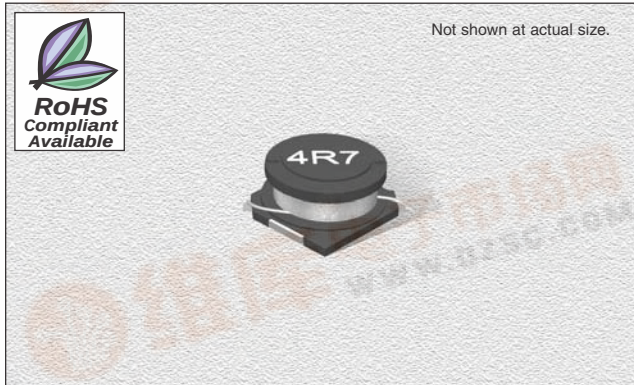


查询"CT646FYF-121K"供应商

## CT646FY Series

From 1.0  $\mu\text{H}$  to 1000  $\mu\text{H}$ 

## CHARACTERISTICS

**Description:** SMD power inductor**Applications:** Ideal for a variety of DC/DC converter applications and low profile use**Operating Temperature:** -30°C to +100°C**Inductance Tolerance:**  $\pm 10\%$ ,  $\pm 20\%$ **Testing:** Inductance is tested on an HP4285A at 100 kHz**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

Part numbers are marked to indicate tolerance available.

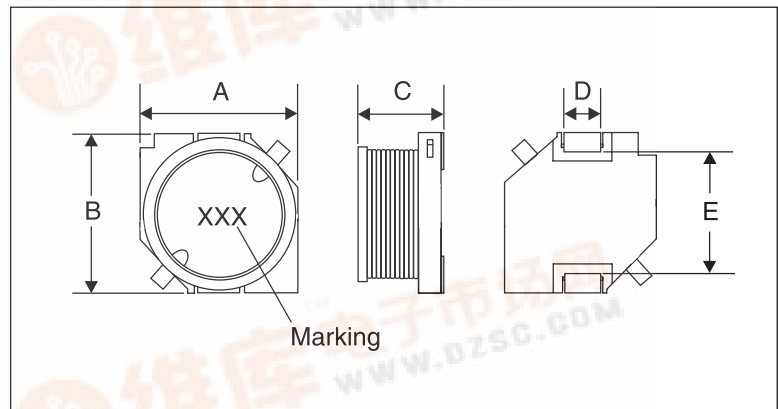
K =  $\pm 10\%$ , M =  $\pm 20\%$ 

CTC646FYF Please specify "F" for RoHS Compliant

| Part Number   | Inductance ( $\mu\text{H}$ ) | L Test Freq. (kHz) | DCR Max. ( $\Omega$ ) | Rated DC (A) |
|---------------|------------------------------|--------------------|-----------------------|--------------|
| CT646FY_-1R0M | 1.0                          | 100                | 0.023                 | 2.880        |
| CT646FY_-1R5M | 1.5                          | 100                | 0.028                 | 2.560        |
| CT646FY_-2R2M | 2.2                          | 100                | 0.032                 | 2.360        |
| CT646FY_-2R7M | 2.7                          | 100                | 0.035                 | 2.360        |
| CT646FY_-3R3M | 3.3                          | 100                | 0.038                 | 2.160        |
| CT646FY_-3R9M | 3.9                          | 100                | 0.042                 | 2.160        |
| CT646FY_-4R7M | 4.7                          | 100                | 0.049                 | 1.880        |
| CT646FY_-5R6M | 5.6                          | 100                | 0.055                 | 1.880        |
| CT646FY_-6R8M | 6.8                          | 100                | 0.055                 | 1.880        |
| CT646FY_-8R2M | 8.2                          | 100                | 0.067                 | 1.680        |
| CT646FY_-100M | 10                           | 100                | 0.070                 | 1.560        |
| CT646FY_-120M | 12                           | 100                | 0.080                 | 1.440        |
| CT646FY_-150M | 15                           | 100                | 0.090                 | 1.360        |
| CT646FY_-180M | 18                           | 100                | 0.100                 | 1.280        |
| CT646FY_-220M | 22                           | 100                | 0.120                 | 1.170        |
| CT646FY_-270M | 27                           | 100                | 0.140                 | 1.070        |
| CT646FY_-330M | 33                           | 100                | 0.160                 | 1.000        |
| CT646FY_-390M | 39                           | 100                | 0.190                 | 0.910        |
| CT646FY_-470M | 47                           | 100                | 0.220                 | 0.840        |
| CT646FY_-560M | 56                           | 100                | 0.290                 | 0.720        |
| CT646FY_-680M | 68                           | 100                | 0.340                 | 0.660        |
| CT646FY_-820M | 82                           | 100                | 0.460                 | 0.580        |
| CT646FY_-101M | 100                          | 100                | 0.550                 | 0.510        |
| CT646FY_-121K | 120                          | 100                | 0.670                 | 0.420        |
| CT646FY_-151K | 150                          | 100                | 0.900                 | 0.370        |
| CT646FY_-181K | 180                          | 100                | 1.050                 | 0.350        |
| CT646FY_-221K | 220                          | 100                | 1.350                 | 0.290        |
| CT646FY_-271K | 270                          | 100                | 1.550                 | 0.280        |
| CT646FY_-331K | 330                          | 100                | 2.050                 | 0.230        |
| CT646FY_-391K | 390                          | 100                | 2.300                 | 0.215        |
| CT646FY_-471K | 470                          | 100                | 2.600                 | 0.195        |
| CT646FY_-561M | 560                          | 100                | 2.900                 | 0.185        |
| CT646FY_-681M | 680                          | 100                | 3.400                 | 0.170        |
| CT646FY_-821M | 820                          | 100                | 4.200                 | 0.165        |
| CT646FY_-102M | 1000                         | 100                | 5.390                 | 0.150        |

## PHYSICAL DIMENSIONS

| Size   | A<br>Max. | B<br>Max. | C<br>Max. | D                | E<br>Max. |
|--------|-----------|-----------|-----------|------------------|-----------|
| mm     | 7.4       | 7.4       | 5.5       | 2.0 $\pm$ 0.2    | 5.4       |
| inches | 0.29      | 0.29      | 0.22      | 0.08 $\pm$ 0.008 | 0.21      |



01.14.05

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

800-684-5322 Inside US

949-453-1811 Outside US

Copyright © 2005 by CT Magnetics, DBA Central Technologies. All rights reserved.

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

