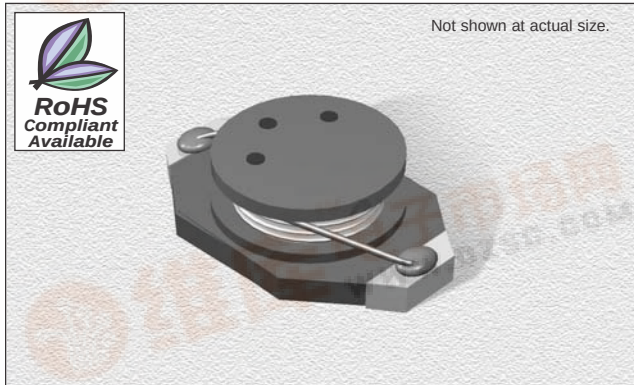


查询"CTDO1608C-104"供应商

## CTDO1608 Series

From 1.0  $\mu\text{H}$  to 1,000  $\mu\text{H}$ 

## ENGINEERING KIT #9

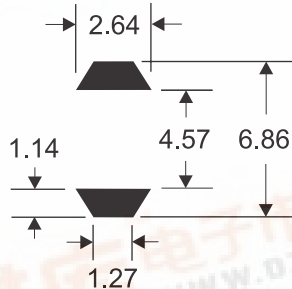


## CHARACTERISTICS

**Description:** SMD power inductor**Applications:** VTR power supplies, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters. Step up & step down converters and flash memory programmers**Operating Temperature:** -40°C to +85°C**Inductance Tolerance:**  $\pm 20\%$ **Inductance Drop:** 10% typically at Isat**Testing:** Inductance is tested on an HP4285A at 100 kHz**Packaging:** Tape & Reel**Marking:** Color dots OR Inductance code**Miscellaneous:** RoHS Compliant available.**Additional Information:** Additional electrical & physical information available upon request**Samples available.** See website for ordering information.

## PAD LAYOUT

Unit: mm



## SPECIFICATIONS

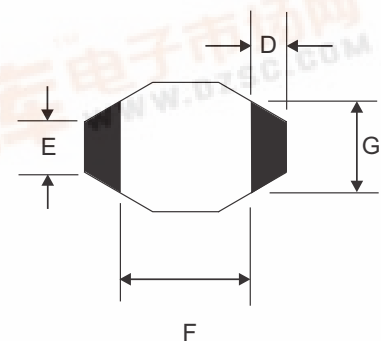
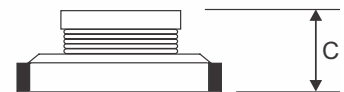
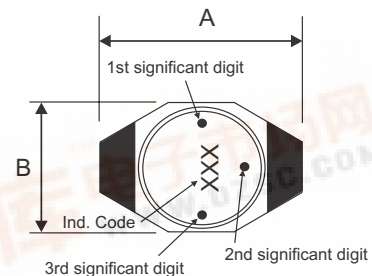
Parts are available in  $\pm 20\%$  tolerance only.

CTDO1608CE Please specify "F" for RoHS compliant

| Part Number    | Inductance ( $\mu\text{H}$ ) | L Test Freq. (kHz) | DCR ( $\Omega$ ) | SRF Typ. (MHz) | Isat (A) | Irms (A) |
|----------------|------------------------------|--------------------|------------------|----------------|----------|----------|
| CTDO1608C_-102 | 1.0                          | 100                | .05              | 130            | 2.9      | 2.9      |
| CTDO1608C_-152 | 1.5                          | 100                | .05              | 115            | 2.6      | 2.8      |
| CTDO1608C_-222 | 2.2                          | 100                | .07              | 90             | 2.3      | 2.4      |
| CTDO1608C_-332 | 3.3                          | 100                | .08              | 70             | 2.0      | 2.0      |
| CTDO1608C_-472 | 4.7                          | 100                | .09              | 50             | 1.5      | 1.5      |
| CTDO1608C_-682 | 6.8                          | 100                | .13              | 45             | 1.2      | 1.4      |
| CTDO1608C_-103 | 10                           | 100                | .16              | 35             | 1.1      | 1.1      |
| CTDO1608C_-153 | 15                           | 100                | .23              | 30             | .90      | 1.2      |
| CTDO1608C_-223 | 22                           | 100                | .37              | 20             | .70      | .80      |
| CTDO1608C_-333 | 33                           | 100                | .51              | 15             | .58      | .60      |
| CTDO1608C_-473 | 47                           | 100                | .64              | 14             | .50      | .50      |
| CTDO1608C_-683 | 68                           | 100                | .86              | 11             | .40      | .40      |
| CTDO1608C_-104 | 100                          | 100                | 1.3              | 9.0            | .31      | .30      |
| CTDO1608C_-154 | 150                          | 100                | 2.0              | 6.0            | .27      | .25      |
| CTDO1608C_-224 | 220                          | 100                | 3.1              | 5.5            | .22      | .20      |
| CTDO1608C_-334 | 330                          | 100                | 3.8              | 5.0            | .18      | .16      |
| CTDO1608C_-474 | 470                          | 100                | 5.1              | 4.0            | .16      | .15      |
| CTDO1608C_-684 | 680                          | 100                | 9.2              | 3.0            | .14      | .12      |
| CTDO1608C_-105 | 1000                         | 100                | 14               | 2.0            | .10      | .07      |

## PHYSICAL DIMENSIONS

| Size   | A<br>Max. | B<br>Max. | C<br>Max. | D    | E    | F    | G    |
|--------|-----------|-----------|-----------|------|------|------|------|
| mm     | 6.58      | 4.45      | 2.92      | 0.78 | 1.27 | 4.80 | 2.34 |
| inches | 0.26      | 0.18      | 0.12      | 0.03 | 0.05 | 0.19 | 0.09 |

Parts will be marked with  
Significant Digit Dots OR Inductance Code

01.14.05

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

800-684-5322 Inside US

949-453-1811 Outside US

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