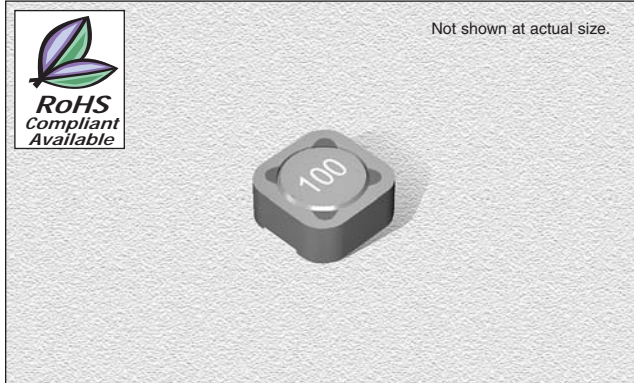


# CTCDRH73 Series

From 10  $\mu\text{H}$  to 1,000  $\mu\text{H}$

ENGINEERING KIT #24F



## 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:** -25°C to +80°C
- Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 15\%$ ,  $\pm 20\%$ ,  $\pm 30\%$
- Testing:** Inductance is tested on an HP4284A at 1.0 kHz
- Packaging:** Tape & Reel
- Marking:** Parts are marked with inductance code
- Miscellaneous:** Magnetically shielded
- Miscellaneous:** **RoHS Compliant available**
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

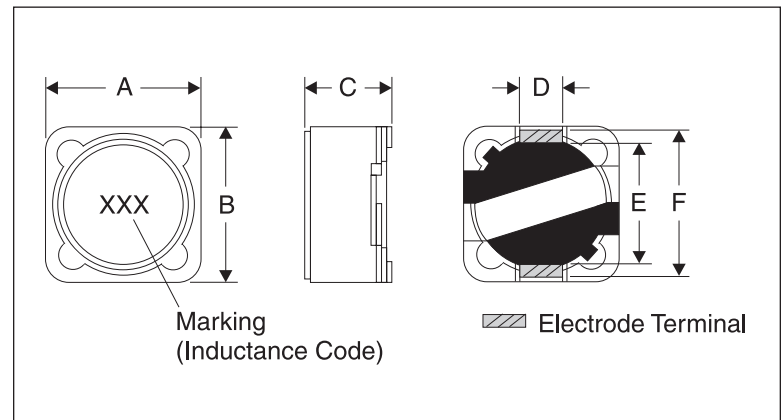
## SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTCDRH73-100\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$  L =  $\pm 15\%$   
 M =  $\pm 20\%$ , N =  $\pm 30\%$   
 CTCDRH73E Please specify "F" for RoHS Compliant

| Part Number    | Inductance ( $\mu\text{H}$ ) | L Test Freq. (kHz) | DCR Max. ( $\Omega$ ) | IDC Max. (A) |
|----------------|------------------------------|--------------------|-----------------------|--------------|
| CTCDRH73_-100_ | 10                           | 1.0                | .07                   | 1.7          |
| CTCDRH73_-120_ | 12                           | 1.0                | .10                   | 1.5          |
| CTCDRH73_-150_ | 15                           | 1.0                | .13                   | 1.3          |
| CTCDRH73_-180_ | 18                           | 1.0                | .14                   | 1.2          |
| CTCDRH73_-220_ | 22                           | 1.0                | .19                   | 1.1          |
| CTCDRH73_-270_ | 27                           | 1.0                | .21                   | 1.0          |
| CTCDRH73_-330_ | 33                           | 1.0                | .24                   | .96          |
| CTCDRH73_-390_ | 39                           | 1.0                | .32                   | .77          |
| CTCDRH73_-470_ | 47                           | 1.0                | .36                   | .76          |
| CTCDRH73_-560_ | 56                           | 1.0                | .47                   | .68          |
| CTCDRH73_-680_ | 68                           | 1.0                | .52                   | .61          |
| CTCDRH73_-820_ | 82                           | 1.0                | .69                   | .57          |
| CTCDRH73_-101_ | 100                          | 1.0                | .79                   | .50          |
| CTCDRH73_-121_ | 120                          | 1.0                | .89                   | .49          |
| CTCDRH73_-151_ | 150                          | 1.0                | 1.3                   | .43          |
| CTCDRH73_-181_ | 180                          | 1.0                | 1.5                   | .39          |
| CTCDRH73_-221_ | 220                          | 1.0                | 1.7                   | .35          |
| CTCDRH73_-271_ | 270                          | 1.0                | 2.3                   | .32          |
| CTCDRH73_-331_ | 330                          | 1.0                | 2.6                   | .28          |
| CTCDRH73_-391_ | 390                          | 1.0                | 2.9                   | .26          |
| CTCDRH73_-471_ | 470                          | 1.0                | 4.2                   | .24          |
| CTCDRH73_-561_ | 560                          | 1.0                | 4.7                   | .22          |
| CTCDRH73_-681_ | 680                          | 1.0                | 5.7                   | .19          |
| CTCDRH73_-821_ | 820                          | 1.0                | 6.5                   | .18          |
| CTCDRH73_-102_ | 1000                         | 1.0                | 9.4                   | .16          |

## PHYSICAL DIMENSIONS

| Size   | A              | B              | C<br>Max. | D               | E               | F               |
|--------|----------------|----------------|-----------|-----------------|-----------------|-----------------|
| mm     | 7.3 $\pm$ 0.5  | 7.3 $\pm$ 0.5  | 3.5       | 1.8 $\pm$ 0.5   | 5.4 $\pm$ 0.5   | 7.2 $\pm$ 0.5   |
| inches | 0.3 $\pm$ 0.02 | 0.3 $\pm$ 0.02 | 0.14      | 0.07 $\pm$ 0.02 | 0.21 $\pm$ 0.02 | 0.28 $\pm$ 0.02 |



05.18.06

