

## CTCDR63BF Series

From 10  $\mu\text{H}$  to 68  $\mu\text{H}$



### CHARACTERISTICS

- Description:** SMD shielded power inductor.
- Applications:** OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.
- Operating Temperature:** -40°C to +85°C
- Inductance Tolerance:**  $\pm 15\%$ ,  $\pm 20\%$
- Testing:** Inductance is tested on an HP4285A at 2.52MHz.
- Packaging:** Tape & Reel.
- Marking:** Marked with inductance code.
- Miscellaneous:** RoHS Compliant.
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

### SPECIFICATIONS

Part numbers indicate tolerance available.

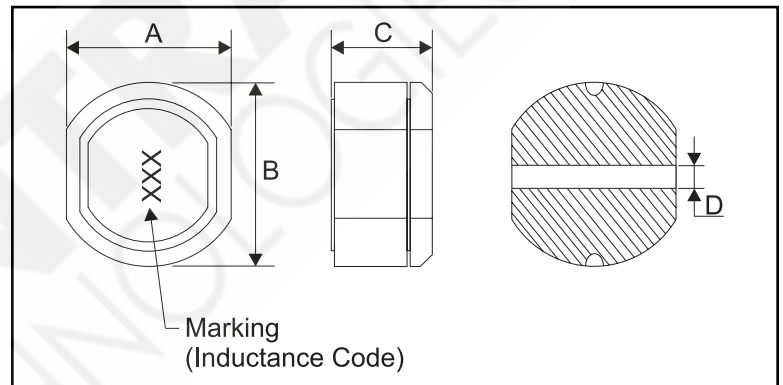
L =  $\pm 15\%$ , M =  $\pm 20\%$

\*Inductance drop = 10% typ. at IDC

| Part Number    | Inductance ( $\mu\text{H}$ ) | L Test Freq. (MHz) | DCR Max. ( $\Omega$ ) | IDC Max. (A) |
|----------------|------------------------------|--------------------|-----------------------|--------------|
| CTCDR63BF-100M | 10                           | 2.52               | 0.14                  | 1.00         |
| CTCDR63BF-120M | 12                           | 2.52               | 0.16                  | 0.94         |
| CTCDR63BF-150M | 15                           | 2.52               | 0.18                  | 0.86         |
| CTCDR63BF-180M | 18                           | 2.52               | 0.25                  | 0.78         |
| CTCDR63BF-220M | 22                           | 2.52               | 0.32                  | 0.76         |
| CTCDR63BF-270M | 27                           | 2.52               | 0.36                  | 0.64         |
| CTCDR63BF-330L | 33                           | 2.52               | 0.41                  | 0.61         |
| CTCDR63BF-390L | 39                           | 2.52               | 0.47                  | 0.53         |
| CTCDR63BF-470L | 47                           | 2.52               | 0.51                  | 0.50         |
| CTCDR63BF-560L | 56                           | 2.52               | 0.72                  | 0.46         |
| CTCDR63BF-680L | 68                           | 2.52               | 0.82                  | 0.42         |

### PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D Ref. |
|--------|--------|--------|--------|--------|
| mm     | 5.9    | 6.5    | 3.5    | 1.45   |
| inches | 0.23   | 0.26   | 0.14   | 0.06   |



### PAD LAYOUT

