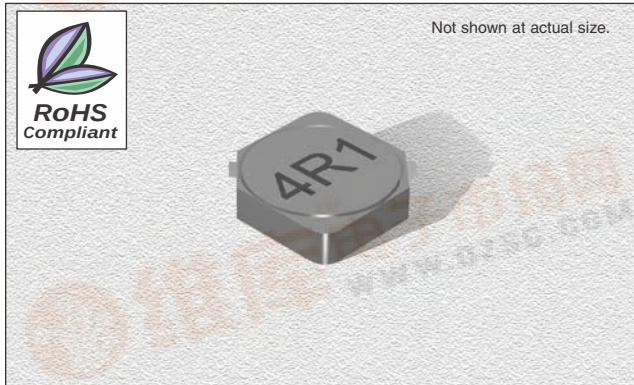


查询"CTCDRH5D18F-3R3N"供应商

# CTCDRH5D18F Series

From 3.3  $\mu\text{H}$  to 330  $\mu\text{H}$



## 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:** -40°C to +85°C

**Inductance Tolerance:**  $\pm 30\%$

**Testing:** Tested on a HP4284A at 10 KHz, 0.25Vrms, 0Adc

**Packaging:** Tape & Reel

**Marking:** Parts are marked with inductance code

Rated DC Current: Indicates the current when the inductance decreases to 65% of its initial value or D.C. current when the temperature of coil is increased by 30% the smaller one is defined as rated current.

**Miscellaneous:** RoHS Compliant.

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

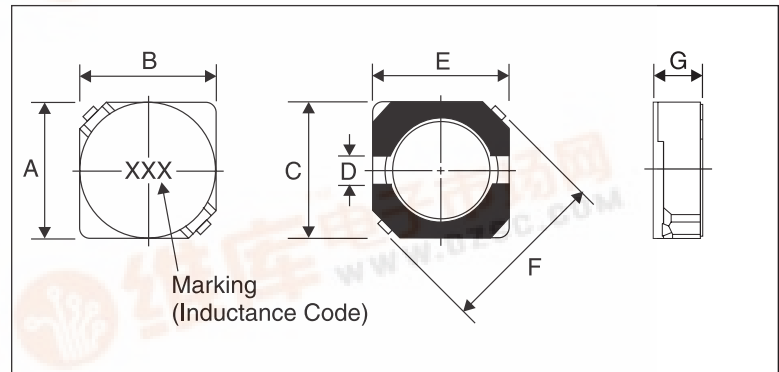
## SPECIFICATIONS

Parts are available in  $\pm 30\%$  tolerance only.

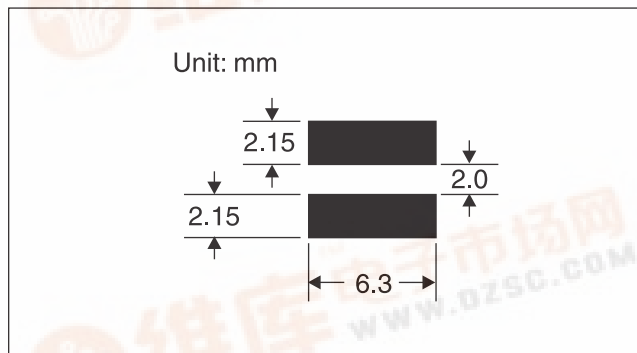
| Part Number      | Inductance ( $\mu\text{H} \pm 30\%$ ) | L Test Freq. (kHz) | DCR Max. (m $\Omega$ ) | Rated DC Current (A) |
|------------------|---------------------------------------|--------------------|------------------------|----------------------|
| CTCDRH5D18F-3R3N | 3.3                                   | 10                 | 50                     | 2.15                 |
| CTCDRH5D18F-4R1N | 4.1                                   | 10                 | 57                     | 1.95                 |
| CTCDRH5D18F-5R4N | 5.4                                   | 10                 | 76                     | 1.60                 |
| CTCDRH5D18F-6R2N | 6.2                                   | 10                 | 96                     | 1.40                 |
| CTCDRH5D18F-8R9N | 8.9                                   | 10                 | 116                    | 1.25                 |
| CTCDRH5D18F-100N | 10                                    | 10                 | 124                    | 1.20                 |
| CTCDRH5D18F-120N | 12                                    | 10                 | 153                    | 1.10                 |
| CTCDRH5D18F-150N | 15                                    | 10                 | 196                    | 0.97                 |
| CTCDRH5D18F-180N | 18                                    | 10                 | 210                    | 0.85                 |
| CTCDRH5D18F-220N | 22                                    | 10                 | 290                    | 0.80                 |
| CTCDRH5D18F-270N | 27                                    | 10                 | 330                    | 0.75                 |
| CTCDRH5D18F-330N | 33                                    | 10                 | 386                    | 0.65                 |
| CTCDRH5D18F-390N | 39                                    | 10                 | 520                    | 0.57                 |
| CTCDRH5D18F-470N | 47                                    | 10                 | 595                    | 0.54                 |
| CTCDRH5D18F-560N | 56                                    | 10                 | 665                    | 0.50                 |
| CTCDRH5D18F-680N | 68                                    | 10                 | 840                    | 0.43                 |
| CTCDRH5D18F-820N | 82                                    | 10                 | 978                    | 0.41                 |
| CTCDRH5D18F-101N | 100                                   | 10                 | 1200                   | 0.36                 |
| CTCDRH5D18F-121N | 120                                   | 10                 | 1500                   | 0.33                 |
| CTCDRH5D18F-151N | 150                                   | 10                 | 1710                   | 0.31                 |
| CTCDRH5D18F-181N | 180                                   | 10                 | 2240                   | 0.28                 |
| CTCDRH5D18F-221N | 220                                   | 10                 | 2440                   | 0.23                 |
| CTCDRH5D18F-271N | 270                                   | 10                 | 3380                   | 0.21                 |
| CTCDRH5D18F-331N | 330                                   | 10                 | 4340                   | 0.18                 |

## PHYSICAL DIMENSIONS

| Size   | A               | B               | C     | D    | E     | F<br>Max. | G<br>Max. |
|--------|-----------------|-----------------|-------|------|-------|-----------|-----------|
| mm     | 5.7 $\pm 0.3$   | 5.7 $\pm 0.3$   | 5.5   | 2.0  | 5.5   | 8.2       | 2.0       |
| inches | 0.22 $\pm 0.01$ | 0.22 $\pm 0.01$ | 0.217 | 0.08 | 0.217 | 0.32      | 0.08      |



## PAD LAYOUT



08.18.08

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

800-684-5322 Inside US

949-453-1811 Outside US

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