

CTCDRH2D18F Series

From 2.2 μH to 47 μH



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: -30°C to +100°C

Rated DC Current: The rated D.C. current indicates the value of current when the inductance is 65% more than its nominal value and temperature rising $\Delta T=40^\circ\text{C}$ lower at D.C. superposition.

Inductance Tolerance: $\pm 30\%$

Testing: Tested on a HP4285A at 100KHz, 0.25Vrms, 0Adc.

Packaging: Tape & Reel.

Marking: Parts are marked with inductance code or letter identifier.

Miscellaneous: RoHS Compliant.

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

Samples available. See website for ordering information.

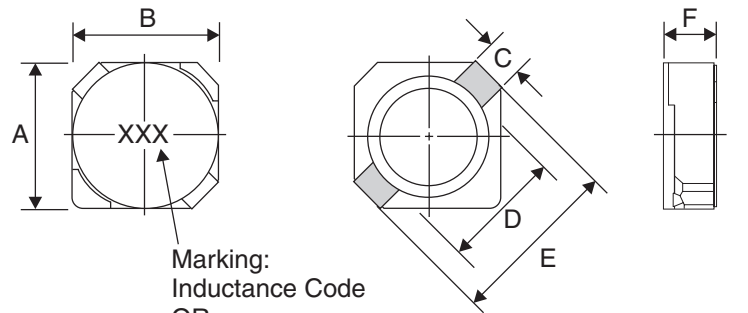
SPECIFICATIONS

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

| Part Number | Inductance (μH) | L Test Freq. (KHz) | DCR Max. (m Ω) | Rated DC Current (mA) |
|------------------|------------------------------|--------------------|------------------------|-----------------------|
| CTCDRH2D18F-2R2N | 2.2 | 100 | 43 | 850 |
| CTCDRH2D18F-3R3N | 3.3 | 100 | 60 | 770 |
| CTCDRH2D18F-4R7N | 4.7 | 100 | 81 | 630 |
| CTCDRH2D18F-6R8N | 6.8 | 100 | 108 | 570 |
| CTCDRH2D18F-100N | 10 | 100 | 201 | 450 |
| CTCDRH2D18F-150N | 15 | 100 | 227 | 350 |
| CTCDRH2D18F-220N | 22 | 100 | 331 | 300 |
| CTCDRH2D18F-330N | 33 | 100 | 481 | 230 |
| CTCDRH2D18F-470N | 47 | 100 | 660 | 200 |

PHYSICAL DIMENSIONS

| Size | A | B | C | D | E | F Max. |
|--------|-------|-------|------|------|------|--------|
| mm | 3.2 | 3.2 | 1.0 | 2.1 | 3.5 | 2.0 |
| inches | 0.126 | 0.126 | 0.04 | 0.08 | 0.14 | 0.078 |



Marking:
Inductance Code
OR
Letter Identifier

C = 2.2 μH

D = 3.3 μH

F = 4.7 μH

I = 6.8 μH

K = 10 μH

M = 15 μH

O = 22 μH

Q = 33 μH

PAD LAYOUT

Unit: mm

