

CTCDRH74HCF Series

From 1.0 μ H to 1,000 μ H



SPECIFICATIONS

Parts only available in $\pm 20\%$ inductance tolerance.
 Irms based on temp. rise 40°C Max.
 Isat based on $\Delta L/L_{0A} = 25\%$ Max.

| Part Number | Inductance (μ H) | Test Freq. (Hz) | DCR Max. (Ω) | Isat (A) | Irms (A) |
|------------------|-----------------------|-----------------|-----------------------|----------|----------|
| CTCDRH74HCF-1R0M | 1.0 | 1k/1V | 0.013 | 5.60 | 5.00 |
| CTCDRH74HCF-2R2M | 2.2 | 1k/1V | 0.018 | 5.00 | 4.20 |
| CTCDRH74HCF-3R3M | 3.3 | 1k/1V | 0.022 | 4.40 | 3.80 |
| CTCDRH74HCF-4R7M | 4.7 | 1k/1V | 0.028 | 4.00 | 3.60 |
| CTCDRH74HCF-5R6M | 5.6 | 1k/1V | 0.032 | 3.40 | 3.00 |
| CTCDRH74HCF-6R8M | 6.8 | 1k/1V | 0.040 | 3.20 | 2.80 |
| CTCDRH74HCF-100M | 10.0 | 1k/1V | 0.052 | 2.50 | 2.10 |
| CTCDRH74HCF-120M | 12.0 | 1k/1V | 0.062 | 2.30 | 2.00 |
| CTCDRH74HCF-150M | 15.0 | 1k/1V | 0.075 | 2.10 | 1.90 |
| CTCDRH74HCF-180M | 18.0 | 1k/1V | 0.090 | 1.95 | 1.80 |
| CTCDRH74HCF-220M | 22.0 | 1k/1V | 0.096 | 1.75 | 1.65 |
| CTCDRH74HCF-270M | 27.0 | 1k/1V | 0.130 | 1.62 | 1.45 |
| CTCDRH74HCF-330M | 33.0 | 1k/1V | 0.150 | 1.45 | 1.35 |
| CTCDRH74HCF-390M | 39.0 | 1k/1V | 0.190 | 1.30 | 1.17 |
| CTCDRH74HCF-470M | 47.0 | 1k/1V | 0.210 | 1.20 | 1.05 |
| CTCDRH74HCF-560M | 56.0 | 1k/1V | 0.240 | 1.10 | 0.95 |
| CTCDRH74HCF-680M | 68.0 | 1k/1V | 0.300 | 0.96 | 0.86 |
| CTCDRH74HCF-820M | 82.0 | 1k/1V | 0.400 | 0.90 | 0.78 |
| CTCDRH74HCF-101M | 100.0 | 1k/1V | 0.450 | 0.78 | 0.70 |
| CTCDRH74HCF-121M | 120.0 | 1k/1V | 0.550 | 0.70 | 0.60 |
| CTCDRH74HCF-151M | 150.0 | 1k/1V | 0.760 | 0.58 | 0.48 |
| CTCDRH74HCF-181M | 180.0 | 1k/1V | 0.820 | 0.54 | 0.46 |
| CTCDRH74HCF-221M | 220.0 | 1k/1V | 0.950 | 0.50 | 0.42 |
| CTCDRH74HCF-271M | 270.0 | 1k/1V | 1.200 | 0.46 | 0.38 |
| CTCDRH74HCF-331M | 330.0 | 1k/1V | 1.500 | 0.40 | 0.34 |
| CTCDRH74HCF-391M | 390.0 | 1k/1V | 1.850 | 0.36 | 0.32 |
| CTCDRH74HCF-471M | 470.0 | 1k/1V | 2.200 | 0.34 | 0.29 |
| CTCDRH74HCF-561M | 560.0 | 1k/1V | 2.600 | 0.30 | 0.26 |
| CTCDRH74HCF-681M | 680.0 | 1k/1V | 2.800 | 0.28 | 0.24 |
| CTCDRH74HCF-821M | 820.0 | 1k/1V | 3.500 | 0.26 | 0.22 |
| CTCDRH74HCF-102M | 1000.0 | 1k/1V | 4.100 | 0.24 | 0.20 |

CHARACTERISTICS

Description: SMD (shielded) power inductor.
Applications: LCD panels, PC notebooks, portable communication equipment, DC/DC converters, etc.
Operating Temperature: -40°C to +125°C (temp. rise included)
Inductance Tolerance: $\pm 20\%$
Testing: Inductance tested at 1KHz, 1V
Resistance to solder heat: 260°C, 10 seconds.
Packaging: Tape & Reel.
Marking: Parts are marked with inductance code.
Miscellaneous: RoHS Compliant. Magnetically shielded.
Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

| Size | A | B | C | D Typ. | E Typ. |
|--------|-------------------|-------------------|-------------------|--------|--------|
| mm | 7.30 \pm 0.2 | 7.30 \pm 0.2 | 4.50 \pm 0.2 | 2.00 | 4.60 |
| inches | 0.287 \pm 0.008 | 0.287 \pm 0.008 | 0.177 \pm 0.008 | 0.079 | 0.181 |

PAD LAYOUT

