

CTCDRH74CF

Series

From 10 μ H to 1000 μ H

ENGINEERING KIT #38F



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: $\pm 20\%$

Testing: Inductance is tested on an HP4284A at 1.0KHz, 0.25V.

Packaging: Tape & Reel.

Marking: Parts are marked with inductance code.

Miscellaneous: Magnetically shielded.

Miscellaneous: RoHS Compliant.

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

Samples available. See website for ordering information.

SPECIFICATIONS

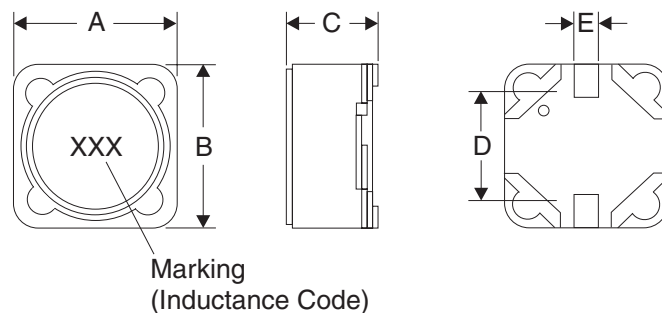
Parts are available in $\pm 20\%$ tolerance only.

*Indicates the current when the inductance decreases to 75% over it's nominal value of DC current when the temperature rising $\Delta T = 40^\circ\text{C}$ lower, whichever is lower.

Part Number	Inductance (μ H)	L Test Freq. (KHz)	DCR Max. (Ω)	*IDC Max. (A)
CTCDRH74CF-100M	10	1.0	0.049	1.84
CTCDRH74CF-120M	12	1.0	0.058	1.71
CTCDRH74CF-150M	15	1.0	0.081	1.47
CTCDRH74CF-180M	18	1.0	0.091	1.31
CTCDRH74CF-220M	22	1.0	0.11	1.23
CTCDRH74CF-270M	27	1.0	0.15	1.12
CTCDRH74CF-330M	33	1.0	0.17	0.96
CTCDRH74CF-390M	39	1.0	0.23	0.91
CTCDRH74CF-470M	47	1.0	0.26	0.88
CTCDRH74CF-560M	56	1.0	0.35	0.75
CTCDRH74CF-680M	68	1.0	0.38	0.69
CTCDRH74CF-820M	82	1.0	0.43	0.61
CTCDRH74CF-101M	100	1.0	0.61	0.60
CTCDRH74CF-121M	120	1.0	0.66	0.52
CTCDRH74CF-151M	150	1.0	0.88	0.46
CTCDRH74CF-181M	180	1.0	0.98	0.42
CTCDRH74CF-221M	220	1.0	1.17	0.36
CTCDRH74CF-271M	270	1.0	1.64	0.34
CTCDRH74CF-331M	330	1.0	1.86	0.32
CTCDRH74CF-391M	390	1.0	2.85	0.29
CTCDRH74CF-471M	470	1.0	3.01	0.26
CTCDRH74CF-561M	560	1.0	3.62	0.23
CTCDRH74CF-681M	680	1.0	4.63	0.22
CTCDRH74CF-821M	820	1.0	5.20	0.20
CTCDRH74CF-102M	1000	1.0	6.00	0.18

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E
mm	7.8	7.8	4.5	4.4 $\pm$ 0.5	1.5 $\pm$ 0.5
inches	0.31	0.31	0.18	0.173 $\pm$ 0.02	0.059 $\pm$ 0.02



PAD LAYOUT

Unit: mm

