

CTCDRH74F Series

From 10 μ H to 1,000 μ H

ENGINEERING KIT #24F



SPECIFICATIONS

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

*The DC current at which the inductance decreases to 75% of its nominal value or when $\Delta t=40^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$)

Part Number	Inductance (μH)	L Test Freq. (KHz)	DCR Max. (Ω)	*IDC Max. (A)
CTCDRH74F-100M	10	1.0	.05	1.84
CTCDRH74F-120M	12	1.0	.06	1.7
CTCDRH74F-150M	15	1.0	.08	1.5
CTCDRH74F-180M	18	1.0	.09	1.3
CTCDRH74F-220M	22	1.0	.11	1.2
CTCDRH74F-270M	27	1.0	.15	1.1
CTCDRH74F-330M	33	1.0	.17	.96
CTCDRH74F-390M	39	1.0	.23	.91
CTCDRH74F-470M	47	1.0	.26	.88
CTCDRH74F-560M	56	1.0	.35	.75
CTCDRH74F-680M	68	1.0	.38	.69
CTCDRH74F-820M	82	1.0	.43	.61
CTCDRH74F-101M	100	1.0	.61	.60
CTCDRH74F-121M	120	1.0	.66	.52
CTCDRH74F-151M	150	1.0	.88	.46
CTCDRH74F-181M	180	1.0	.98	.42
CTCDRH74F-221M	220	1.0	1.2	.36
CTCDRH74F-271M	270	1.0	1.6	.34
CTCDRH74F-331M	330	1.0	1.9	.32
CTCDRH74F-391M	390	1.0	2.9	.29
CTCDRH74F-471M	470	1.0	3.0	.26
CTCDRH74F-561M	560	1.0	3.6	.23
CTCDRH74F-681M	680	1.0	4.6	.22
CTCDRH74F-821M	820	1.0	5.2	.20
CTCDRH74F-102M	1000	1.0	6.0	.18

CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.

Operating Temperature: -40°C to $+85^\circ\text{C}$

Inductance Tolerance: $\pm 20\%$

Testing: Inductance is tested on an HP4284A at 1.0KHz

Packaging: Tape & Reel.

Marking: Parts are marked with inductance code.

Miscellaneous: RoHS Compliant. Magnetically shielded.

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

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D	E	F
mm	7.3 \pm 0.5	7.3 \pm 0.5	4.5	1.8 \pm 0.5	5.4 \pm 0.5	7.2 \pm 0.5
inches	0.3 \pm 0.02	0.3 \pm 0.02	0.18	0.07 \pm 0.02	0.21 \pm 0.02	0.28 \pm 0.02

