

## CTCDRH74BF Series

From 10  $\mu$ H to 1000  $\mu$ 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.  
**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.**

### SPECIFICATIONS

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

Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	DCR Max. ( $\Omega$ )	IDC Max. (A)
CTCDRH74BF-100M	10	1.0	.05	1.9
CTCDRH74BF-120M	12	1.0	.06	1.7
CTCDRH74BF-150M	15	1.0	.08	1.5
CTCDRH74BF-180M	18	1.0	.09	1.3
CTCDRH74BF-220M	22	1.0	.11	1.2
CTCDRH74BF-270M	27	1.0	.15	1.1
CTCDRH74BF-330M	33	1.0	.17	.96
CTCDRH74BF-390M	39	1.0	.23	.91
CTCDRH74BF-470M	47	1.0	.26	.88
CTCDRH74BF-560M	56	1.0	.35	.75
CTCDRH74BF-680M	68	1.0	.38	.69
CTCDRH74BF-820M	82	1.0	.43	.61
CTCDRH74BF-101M	100	1.0	.61	.60
CTCDRH74BF-121M	120	1.0	.66	.52
CTCDRH74BF-151M	150	1.0	.88	.46
CTCDRH74BF-181M	180	1.0	.98	.42
CTCDRH74BF-221M	220	1.0	1.2	.36
CTCDRH74BF-271M	270	1.0	1.6	.34
CTCDRH74BF-331M	330	1.0	1.9	.32
CTCDRH74BF-391M	390	1.0	2.9	.29
CTCDRH74BF-471M	470	1.0	3.0	.26
CTCDRH74BF-561M	560	1.0	3.6	.23
CTCDRH74BF-681M	680	1.0	4.6	.22
CTCDRH74BF-821M	820	1.0	5.2	.20
CTCDRH74BF-102M	1000	1.0	6.0	.18

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E
mm	7.5	7.5	4.5	2.7 $\pm$ 0.2	5.1 $\pm$ 0.2
inches	0.3	0.3	0.18	0.11 $\pm$ 0.008	0.20 $\pm$ 0.008

