

# CTCDRH104RF Series

## From 1.0 $\mu$ H to 330 $\mu$ H

### ENGINEERING KIT #41



### SPECIFICATIONS

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

\*The IDC indicates the value of current when the inductance is 35% lower than the nominal value.

Part Number	Inductance ( $\mu\text{H}\pm 30\%$ )	L Test Freq. (kHz)	DCR Max. (m $\Omega$ )	*IDC (A)
CTCDRH104RF-1R0	1.0	100	7.0	10.1
CTCDRH104RF-1R5	1.5	100	8.1	10
CTCDRH104RF-2R5	2.5	100	10	7.5
CTCDRH104RF-4R4	3.3	100	15	7.0
CTCDRH104RF-3R8	3.8	100	15	6.0
CTCDRH104RF-4R7	4.7	100	22	5.8
CTCDRH104RF-5R2	5.2	100	22	5.7
CTCDRH104RF-5R8	5.8	100	33	5.5
CTCDRH104RF-7R0	7.0	100	27	4.8
CTCDRH104RF-100	10	100	35	4.4
CTCDRH104RF-120	12	100	46	4.0
CTCDRH104RF-150	15	100	50	3.6
CTCDRH104RF-220	22	100	73	2.9
CTCDRH104RF-270	27	100	100	2.54
CTCDRH104RF-330	33	100	93	2.3
CTCDRH104RF-470	47	100	128	2.1
CTCDRH104RF-680	68	100	213	1.5
CTCDRH104RF-101	100	100	304	1.35
CTCDRH104RF-151	150	100	506	1.15
CTCDRH104RF-221	220	100	756	0.92
CTCDRH104RF-331	330	100	1090	0.7

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	10.0 $\pm$ 0.3	10.0 $\pm$ 0.3	3.8 $\pm$ 0.1	3.0 $\pm$ 0.1	7.7 $\pm$ 0.3	1.2 $\pm$ 0.15
inches	0.39 $\pm$ 0.01	0.39 $\pm$ 0.01	0.15 $\pm$ 0.01	0.12 $\pm$ 0.003	0.30 $\pm$ 0.01	0.05 $\pm$ 0.006

### 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 +100°C
- Storage Temperature:** -40°C to +100°C
- Inductance Tolerance:**  $\pm 30\%$
- Testing:** Tested on an HP4285A at 100kHz, 0.25Vrms, 0Adc
- Packaging:** Tape & Reel
- Marking:** Parts are marked with inductance code
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

### PAD LAYOUT

