

## CTML1206HCF Series

From .47 $\mu$ H to 4.7 $\mu$ H



### CHARACTERISTICS

**Description:** Ferrite core, multi-layer chip inductor. Magnetic shielded.

**Applications:** LC resonant circuits such as oscillator and signal generators, RF filters, disk drives, audio and video equipment, TV, radio and telecommunication equipment.

**Operating Temperature:** -25°C to +85°C

**Inductance Tolerance:** M =  $\pm 20\%$

**Testing:** Inductance and Q are tested on an HP4287A at 1MHz, 250mV.

**Packaging:** Tape & Reel.

**Marking:** Reels marked with inductance code and tolerance.

**Miscellaneous:** **RoHS Compliant.**

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

**Samples available. See website for ordering information.**

### SPECIFICATIONS

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

Part Number	Inductance ( $\mu$ H)	Test Freq. (MHz)	SRF Min. (MHz)	DCR $\pm 30\%$ ( $\Omega$ )	IDC Max. (mA)
CTML1206HCF-R47M	0.47	1MHz	100	0.14	1500
CTML1206HCF-R68M	0.68	1MHz	90	0.15	1500
CTML1206HCF-R82M	0.82	1MHz	80	0.16	1500
CTML1206HCF-1R0M	1.0	1MHz	60	0.16	1400
CTML1206HCF-1R2M	1.2	1MHz	60	0.16	1400
CTML1206HCF-1R5M	1.5	1MHz	50	0.20	1200
CTML1206HCF-1R8M	1.8	1MHz	50	0.20	1200
CTML1206HCF-2R2M	2.2	1MHz	40	0.22	1200
CTML1206HCF-3R3M	3.3	1MHz	30	0.24	1100
CTML1206HCF-4R7M	4.7	1MHz	20	0.30	1100

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	3.2 $\pm$ 0.2	1.60 $\pm$ 0.2	1.1 $\pm$ 0.2	0.5 $\pm$ 0.3
inches	0.126 $\pm$ 0.008	0.062 $\pm$ 0.008	0.043 $\pm$ 0.008	0.020 $\pm$ 0.012