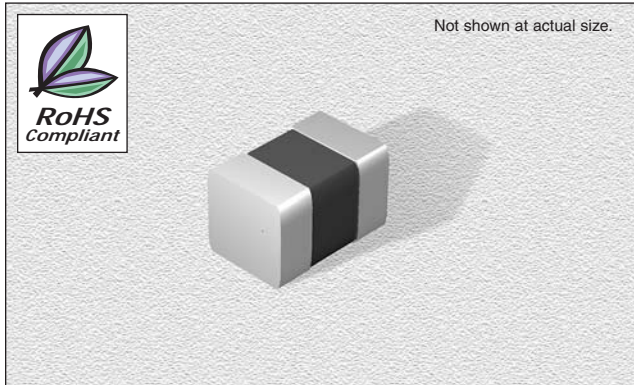


CTML0805HCF Series

From 1.0 μH to 100 μH



CHARACTERISTICS

Description: Ferrite core, multi-layer high current 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: -55°C to +125°C

Inductance Tolerance: $\pm 20\%$

Testing: Inductance tested on an HP4285A at specified frequency

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 only available in $\pm 20\%$ inductance tolerance.
 Isat1: DC current at which the inductance drops 10% (typ) from it's value without current.
 Isat2: DC current at which the inductance drops 30% (typ) from it's value without current.
 Irms: Current that causes a 20°C temperature rise from 25°C ambient.

Part Number	Inductance (μH)	Test Freq. (MHz)	DCR Max. (Ω)	Isat1 Max. (mA)	Isat2 Max. (mA)	Irms Max. (mA)
CTML0805HCF-1R0M	1.0	7.96	0.075	300	550	1150
CTML0805HCF-2R2M	2.2	7.96	0.114	240	400	900
CTML0805HCF-4R7M	4.7	7.96	0.260	140	280	600
CTML0805HCF-100M	10	2.52	0.390	100	180	500
CTML0805HCF-220M	22	2.52	0.910	75	110	300
CTML0805HCF-470M	47	2.52	1.794	50	85	230
CTML0805HCF-101M	100	2.52	3.900	30	60	160

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	2 \pm 0.2	1.25 \pm 0.2	1.25 \pm 0.2	0.2-0.8
inches	0.08 \pm 0.008	0.05 \pm 0.008	0.05 \pm 0.008	0.008-0.031

