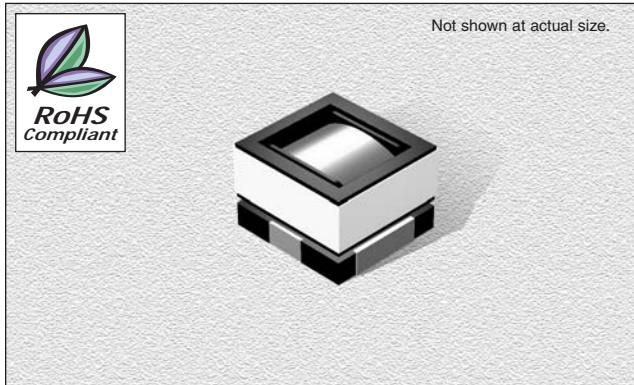


CTEPH149F Series

From 0.56 μH to 2.4 μH



CHARACTERISTICS

Description: SMD shielded power inductor (Ultra High Current)

Applications: Excellent for power line DC-DC conversion applications used in notebook computers and other handheld electronic equipment

Operating Temperature: -40°C to +85°C

Storage Temperature: -40°C to +125°C

Temperature rise: 40°C Typical at IDC

Resistance to solder heat: 260°C for 10 seconds

Rated Current: Based on temperature & $\Delta L / L_{0A} = 25\%$ Typ. at IDC

Inductance Tolerance: $\pm 20\%$, $\pm 30\%$

Testing: Tested on a HP4285A at 100 KHz, 1V

Packaging: Tape & Reel

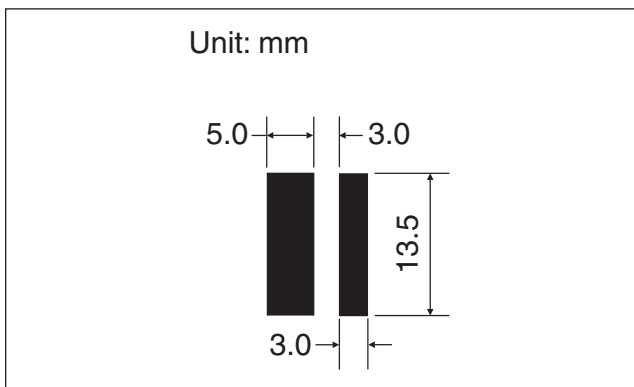
Marking: Parts are marked with inductance code

Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



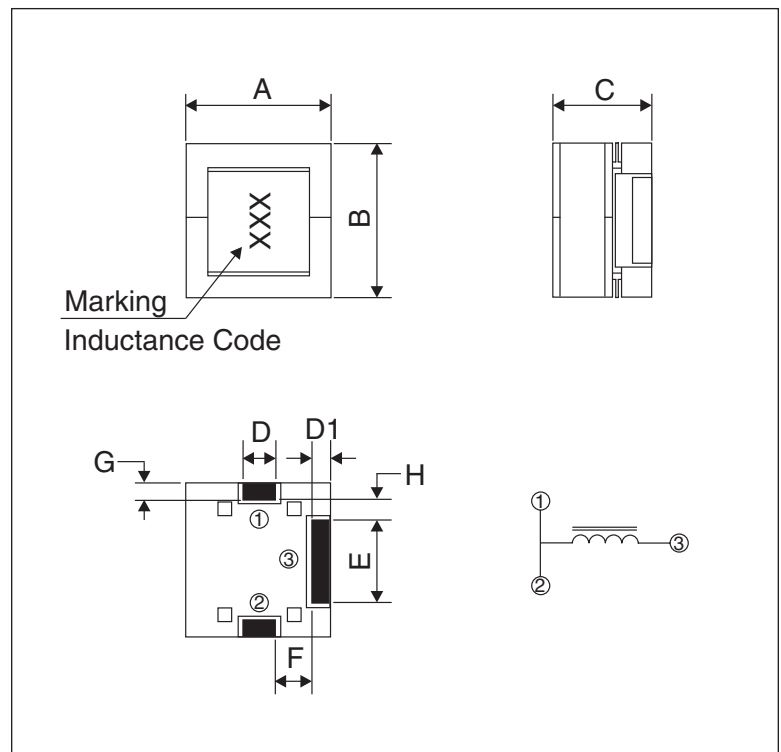
SPECIFICATIONS

Part numbers indicate tolerance available.
M = $\pm 20\%$, N = $\pm 30\%$

Part Number	Inductance (μH)	L Test Freq. (kHz)	DCR Max. (Ω)	IDC Max. (A)
CTEPH149F-R56N	0.56	100	0.0010	30
CTEPH149F-1R0M	1.00	100	0.00135	22
CTEPH149F-1R6M	1.60	100	0.0017	18
CTEPH149F-2R2M	2.20	100	0.00235	15
CTEPH149F-2R4M	2.40	100	0.00235	15

PHYSICAL DIMENSIONS

Size	A	B	C	D	D1	E	F	G	H
mm	14.7 \pm 0.3	15.0 \pm 0.3	9.5 \pm 0.3	4.0 \pm 0.3	2.0 \pm 0.3	8.0 \pm 0.3	4.0 \pm 1.0	2.2 \pm 0.3	1.2 \pm 0.2
inches	0.58 \pm 0.01	0.59 \pm 0.01	0.37 \pm 0.01	0.16 \pm 0.01	0.08 \pm 0.01	0.31 \pm 0.01	0.16 \pm 0.04	0.09 \pm 0.01	0.05 \pm 0.008



07.15.08