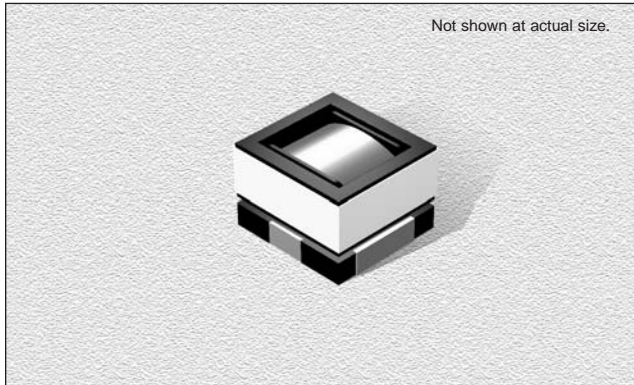


CTEPH149 Series

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: -25°C to +85°C

Storage Temperature: -40°C to +105°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

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

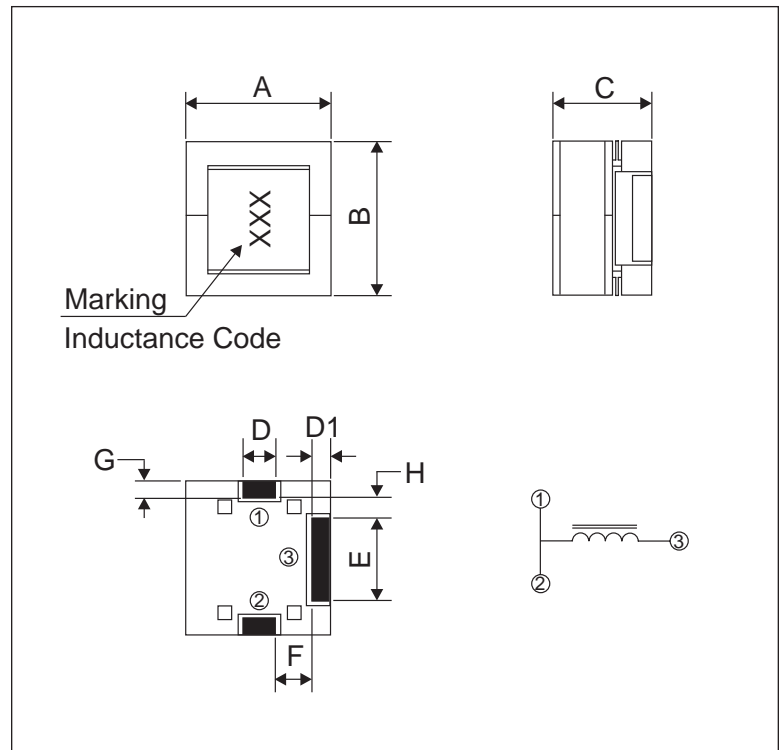
SPECIFICATIONS

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

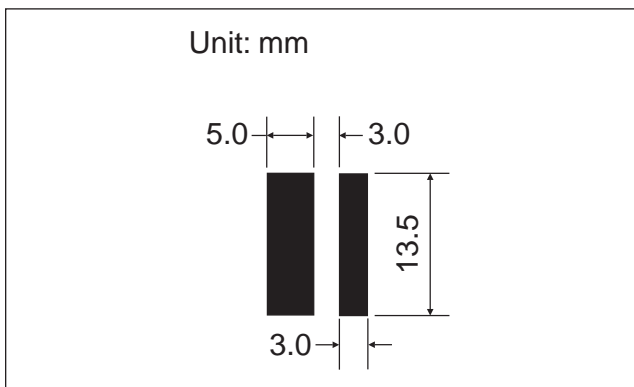
Part Number	Inductance (μH)	L Test Freq. (kHz)	DCR Max. (Ω)	IDC Max. (A)
CTEPH149-R56N	0.56	100	0.0010	30
CTEPH149-1R0M	1.00	100	0.0012	22
CTEPH149-1R6M	1.60	100	0.0015	18
CTEPH149-2R2M	2.20	100	0.0019	15
CTEPH149-2R4M	2.40	100	0.0015	10

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



PAD LAYOUT



05.27.05