

CTEP105HF Series

From 0.15 μH to 3.0 μH



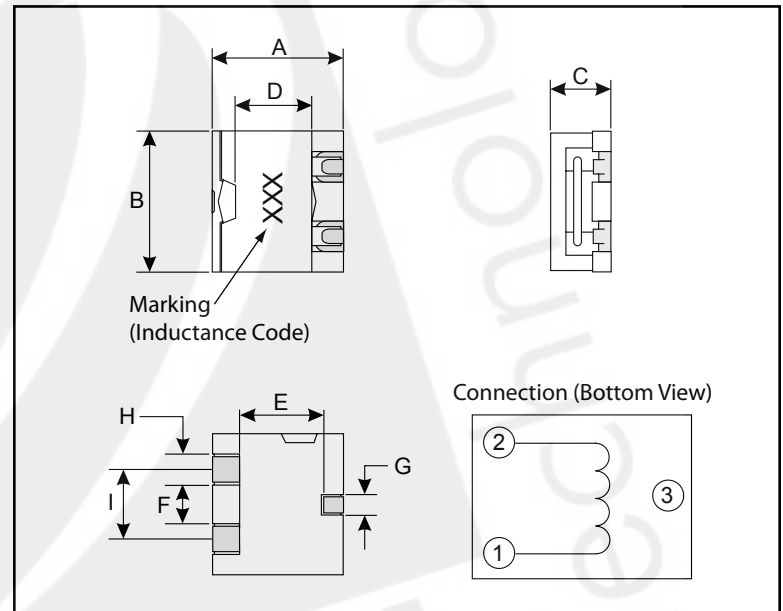
SPECIFICATIONS

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

Part Number	Inductance (μH)	L Test Freq. (KHz)	DCR Max. ($\text{m}\Omega$)	Saturation Current (A)	Temperature Current (A)
CTEP105HF-R15N	0.15	100	2.6	55.0	20.0
CTEP105HF-R30N	0.30	100	3.2	40.0	18.8
CTEP105HF-R50M	0.50	100	4.1	30.4	15.0
CTEP105HF-R80M	0.80	100	5.3	25.2	13.5
CTEP105HF-1R2M	1.20	100	8.0	21.0	11.0
CTEP105HF-1R5M	1.50	100	10.5	18.0	8.50
CTEP105HF-2R0M	2.00	100	12.4	15.8	8.00
CTEP105HF-2R5M	2.50	100	18.0	14.0	7.80
CTEP105HF-3R0M	3.00	100	23.8	12.6	7.20

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G	H	I
	Max.	Max.	Max.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
mm	10.4	10.4	5.6	5.5	6.7	2.6	1.4	2.6	5.5
inches	0.41	0.41	0.22	0.216	0.26	0.10	0.05	0.10	0.216



CHARACTERISTICS

Description: SMD Shielded Power Inductor

Applications: LCD Television sets, Notebooks, PCs, Portable Communication equipment, DC/DC Converters, etc.

Operating Temperature: -30°C to $+100^{\circ}\text{C}$ (includes temperature when the coil is heated)

Saturation Current: This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.

Temperature Current: To load onto the components under normal ambience, which cause the temperature change as $\Delta T=40^{\circ}\text{C}$ or more lower current.

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

Testing: Inductance is tested on an HP4285A at 100KHz.

Packaging: Tape and 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

