CTEP105LF Series

From 0.36 µH to 8.8 µH

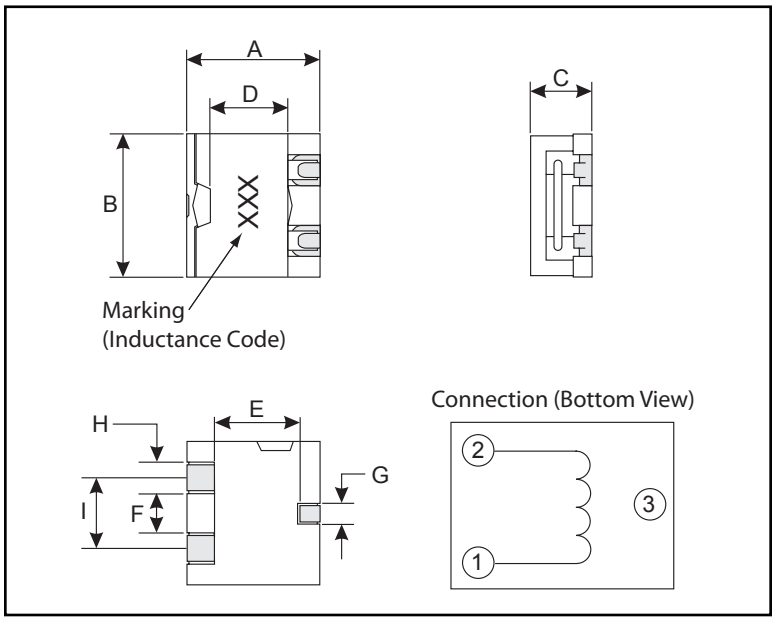
SPECIFICATIONS

Part numbers indicate inductance tolerance available.
M = ±20%, N = ±30%

Part Number	Inductance (µH)	L Test Freq. (KHz)	DCR Max. (mΩ)	Saturation Current (A)	Temperature Current (A)
CTEP105LF-R36N	0.36	100	2.6	24.0	21.0
CTEP105LF-R80M	0.8	100	3.2	16.0	18.0
CTEP105LF-1R4M	1.4	100	4.1	12.0	14.0
CTEP105LF-2R2M	2.2	100	5.3	9.6	13.0
CTEP105LF-3R2M	3.2	100	8.0	7.8	10.5
CTEP105LF-4R3M	4.3	100	10.5	6.8	9.0
CTEP105LF-5R7M	5.7	100	12.4	5.8	8.0
CTEP105LF-7R2M	7.2	100	18.0	5.3	7.8
CTEP105LF-8R8M	8.8	100	23.8	4.5	7.0

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.	I 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°C (includes temperature when the coil is heated)
Saturation Current: This indicates the value of current when the inductance is 25% lower than it's inital 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 ΔT=40°C or more lower current.
Inductance Tolerance: ±20%, ±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