

CTEP105LF Series

From 0.36 μH to 8.8 μH



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 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.**

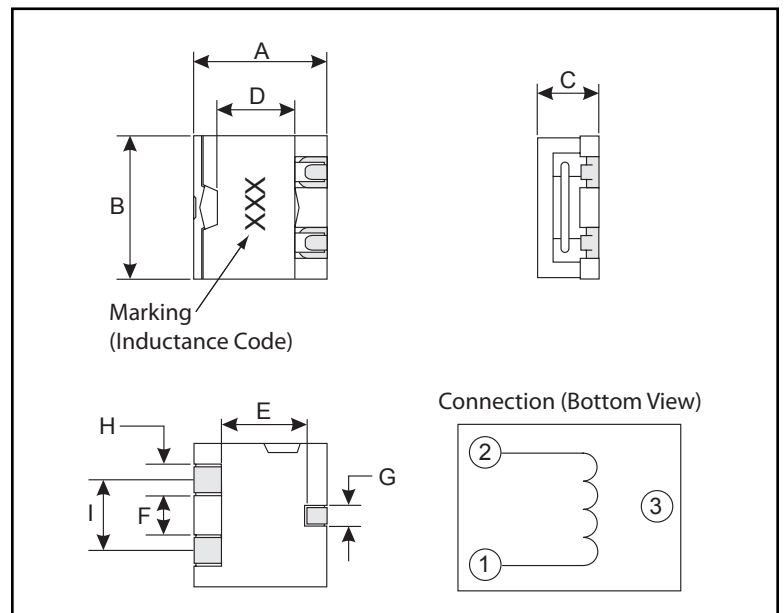
SPECIFICATIONS

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)
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	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



PAD LAYOUT

