CTCDEP147LF Series

From 0.5 µH to 12 µH

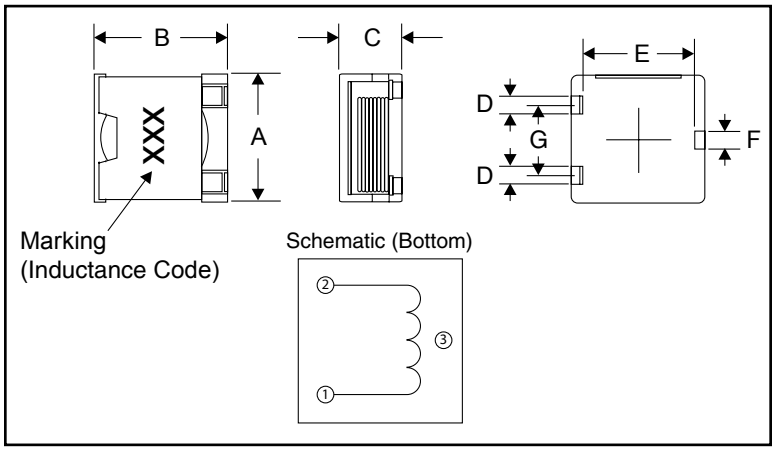
SPECIFICATIONS

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

Part Number	Inductance (µH)	L Test Freq. (KHz)	DCR Max. (mΩ)	Saturation Current (A)	Temp. Current (A)
CTCDEP147LF-R50N	0.5	100	2.10	39.6	24.0
CTCDEP147LF-1R1M	1.1	100	2.65	26.4	22.0
CTCDEP147LF-2R0M	2.0	100	3.50	19.6	19.5
CTCDEP147LF-3R1M	3.1	100	3.90	16.0	16.2
CTCDEP147LF-4R5M	4.5	100	5.50	13.6	14.0
CTCDEP147LF-6R1M	6.1	100	7.50	11.6	13.5
CTCDEP147LF-8R0M	8.0	100	7.80	10.0	11.5
CTCDEP147LF-100M	10	100	9.85	9.2	10.2
CTCDEP147LF-120M	12	100	13.3	8.0	9.00

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Typ.	E Typ.	F Typ.	G Typ.
mm	14.9	15.0	8.1	2.8	10.5	2.3	9.0
inches	0.58	0.59	0.32	0.11	0.41	0.09	0.35



CHARACTERISTICS

Description: SMD Power Inductor.
Applications: LCD television set, notebook PC, portable communication equipment, DC/DC converters, etc.
Operating Temperature: -30°C to +100°C (includes temp. when 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 current onto the components under normal ambience, which causes the temp. change as ΔT=40°C or more lower current.
Inductance Tolerance: M = ±20%, N = ±30%
Testing: Inductance is tested on an HP4285A at 100KHz, 0.25V.
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