Series From 0.3 pH to 7.3 pH



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.

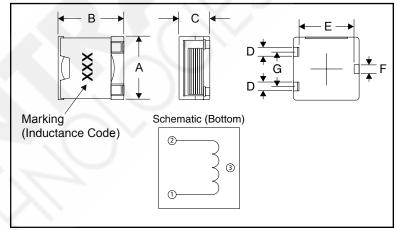
SPECIFICATIONS

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

Part Number	Inductance (µH)	L Test Freq. (KHz)	DCR Max. (mΩ)	Saturation Current (A)	Temp. Current (A)
CTCDEP147HF-R30N CTCDEP147HF-R70M	0.3 0.7	100 100	2.10 2.65	70.0 46.4	23.0 20.0
CTCDEP147HF-1R2M CTCDEP147HF-1R8M CTCDEP147HF-2R6M CTCDEP147HF-3R5M CTCDEP147HF-4R7M CTCDEP147HF-5R9M CTCDEP147HF-5R3M	1.2 1.8 2.6 3.5 4.7 5.9 7.3	100 100 100 100 100 100	3.50 3.90 5.50 7.50 7.80 9.85 13.3	35.7 29.6 24.4 20.8 17.6 16.4 14.6	19.5 16.5 14.0 13.5 11.5 10.5 9.00

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Typ.	Е Тур.	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



PAD LAYOUT

