

CTMMP8751F Series

From .47 μ H to 100 μ H



SPECIFICATIONS

Parts are available in $\pm 20\%$ inductance tolerance only.
 *I_{rms} DC current (A) that will cause an approximate ΔT of 40°C.
 **I_{sat} DC current (A) that will cause L₀ to drop approximately 20%.

Part Number	Inductance (μ H)	DCR Max. (Typ.) (m Ω)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTMMP8751F-R47M	0.47	0.67(0.56)	80.00	100.00
CTMMP8751F-1R0M	1.00	0.89(0.86)	69.00	71.00
CTMMP8751F-2R2M	2.20	1.25(1.22)	58.00	48.00
CTMMP8751F-3R3M	3.30	1.80(1.50)	49.00	41.00
CTMMP8751F-4R7M	4.70	1.84(1.77)	47.00	37.00
CTMMP8751F-6R8M	6.80	3.08(2.84)	36.00	36.00
CTMMP8751F-100M	10.0	4.14(3.80)	28.00	28.00
CTMMP8751F-150M	15.0	6.11(5.62)	23.50	24.00
CTMMP8751F-220M	22.0	10.80(10.60)	17.50	16.00
CTMMP8751F-330M	33.0	15.40(15.10)	15.50	10.50
CTMMP8751F-470M	47.0	17.70(17.30)	13.50	10.50
CTMMP8751F-750M	75.0	32.35(29.76)	12.00	12.00
CTMMP8751F-820M	82.0	34.20(31.46)	10.20	9.00
CTMMP8751F-101M	100.0	39.40(36.25)	9.10	7.00

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D	E
mm	22.5 \pm 0.50	22.0 \pm 0.50	13	18.5 \pm 0.30	5.00 \pm 0.50
inches	0.89 \pm 0.02	0.87 \pm 0.02	0.51	0.73 \pm 0.01	0.20 \pm 0.02

CHARACTERISTICS

Description: SMD shielded power inductors

Applications: DC/DC converters, High current POL converters, Servers & Solar inverters, Industrial lighting & Industrial power supplies, etc.

Operating Temperature: -40°C to +125°C (The part temperature (ambient + temp. rise) should not exceed 125°C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.)

Testing: 100kHz/1.0V, 25°C ambient

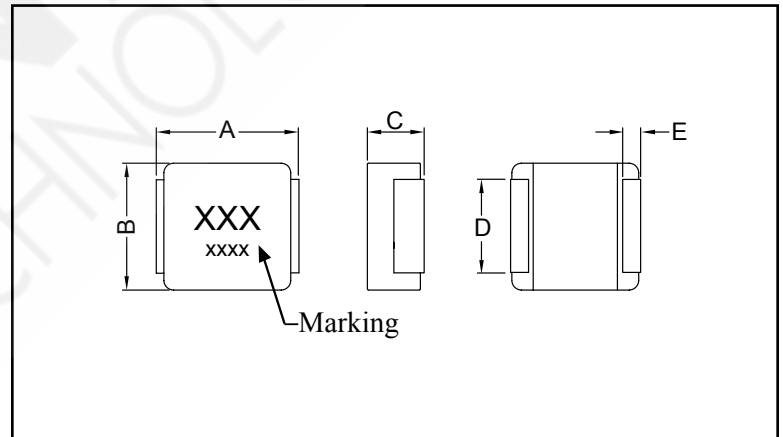
Rated operating voltage (across inductor): 75V

Miscellaneous: RoHS compliant

Marking: Parts marked with inductance code

Packaging: Tape and Reel

Samples available: See website for ordering information



PAD LAYOUT

Unit: mm

