

# CTMMP8751F Series

From .47 $\mu$ H to 100 $\mu$ H



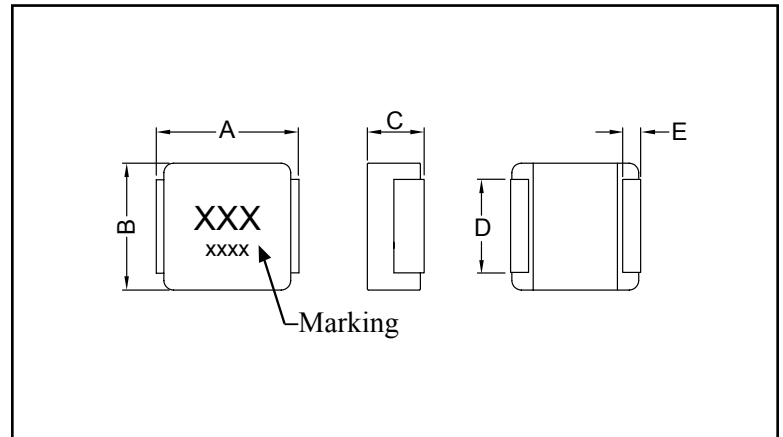
## SPECIFICATIONS

Parts are available in  $\pm 20\%$  inductance tolerance only.  
 \*I<sub>rms</sub> DC current (A) that will cause an approximate  $\Delta T$  of 40°C.  
 \*\*I<sub>sat</sub> DC current (A) that will cause L<sub>0</sub> to drop approximately 20%.

Part Number	Inductance ( $\mu$ H)	DCR Max. (Typ.) (m $\Omega$ )	*I <sub>rms</sub> Typ. (A)	**I <sub>sat</sub> 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

