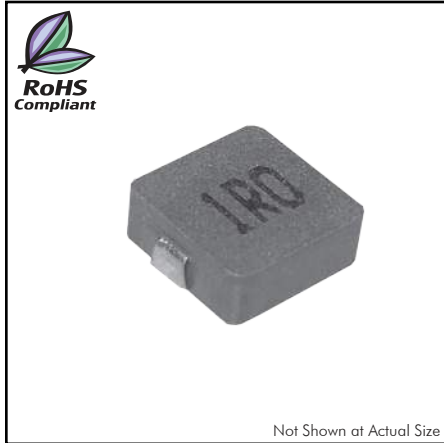


## CTMMP104F Series

From .36 $\mu$ H to 1.5 $\mu$ H



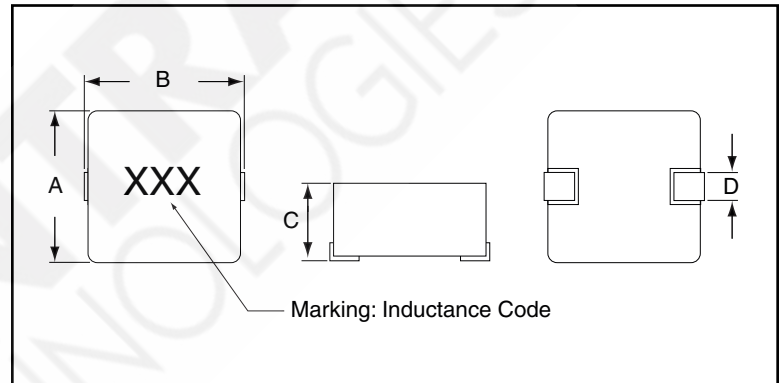
### SPECIFICATIONS

Parts are only available in  $\pm 20\%$  inductance tolerance only  
 \*I<sub>rms</sub> DC current (A) will cause approximately  $\Delta T$  of 40°C.  
 \*\*I<sub>sat</sub> DC current (A) will cause L<sub>0</sub> to drop approximately 30%

Part Number	Inductance ( $\mu$ H)	L Test Freq. (kHz)	*I <sub>rms</sub> Typ. (A)	**I <sub>sat</sub> Typ. (A)	DCR Max. (m $\Omega$ )
CTMMP104F-R36M	0.36	100	34	42	1.2
CTMMP104F-R45M	0.45	100	33	38	1.2
CTMMP104F-R47M	0.47	100	33	38	1.2
CTMMP104F-R50M	0.50	100	27	32	1.55
CTMMP104F-R56M	0.56	100	27	32	1.55
CTMMP104F-R68M	0.68	100	27	30	1.55
CTMMP104F-R88M	0.88	100	20	27	3.1
CTMMP104F-1R0M	1.00	100	20	26	3.1
CTMMP104F-1R5M	1.50	100	16	22	4.2

### PHYSICAL DIMENSIONS

Size	A	B Max.	C Max.	D Typ.
mm	10.1 $\pm$ 0.3	11.6	4.0	3.0
inches	0.39 $\pm$ 0.01	0.46	0.16	0.12



### CHARACTERISTICS

- Description:** SMD (shielded) power inductor
- Applications:** High density DC/DC converters, POL converters, high current VRM/VRD for notebooks, servers, and desktop CPU's, high speed chargers
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:**  $\pm 20\%$
- Testing:** Inductance is tested on an HP4285A at 100kHz, 0.5V
- Packaging:** Tape & Reel
- Marking:** Parts are marked with the inductance code
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

### PAD LAYOUT

