

CTMMP2212F

Series

From 0.20μH to 10μH



CHARACTERISTICS

- Description:** SMD (shielded) power inductor.
- Applications:** PDA, Notebook, Desktop, Server applications, Low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).
- Operating Temperature:** -55°C to +125°C (including self - temperature rise)
- Inductance Tolerance:** ±20%
- Testing:** Inductance is tested on an HP4285A at 100KHz, 0.5V
- 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.**

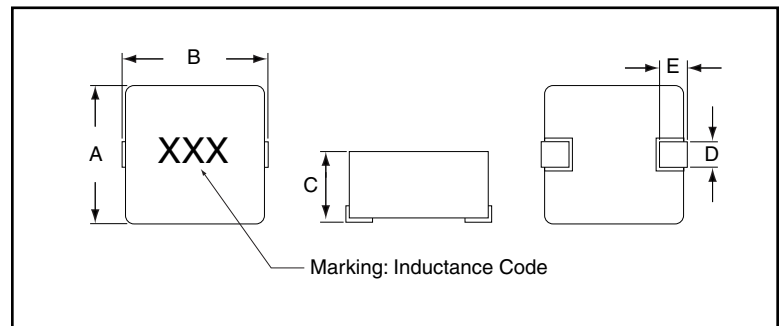
SPECIFICATIONS

*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 30%.

Part Number	Inductance (μH)	L Test Freq. (KHz)	DCR Max. (mΩ)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)
CTMMP2212F-R20M	0.20	100	3.9	17.0	14.5
CTMMP2212F-R47M	0.47	100	8	10.0	14
CTMMP2212F-R68M	0.68	100	12	8.0	14
CTMMP2212F-1R0M	1.0	100	15	7.0	11
CTMMP2212F-1R2M	1.2	100	15	6.5	11
CTMMP2212F-1R5M	1.5	100	25	6.0	10
CTMMP2212F-2R2M	2.2	100	35	5.0	8
CTMMP2212F-3R3M	3.3	100	46	4.5	7
CTMMP2212F-4R7M	4.7	100	60	4.0	6
CTMMP2212F-6R8M	6.8	100	110	3.0	5
CTMMP2212F-100M	10	100	126	2.5	4.5

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
			Max.		
mm	5.4±0.35	5.7±0.2	3.0	2.0±0.3	1.5±0.3
inches	0.21±0.014	0.22±0.008	0.12	0.08±0.012	0.06±0.012



PAD LAYOUT

