

CTMMP1307AF Series

From 1.0μH to 10μH



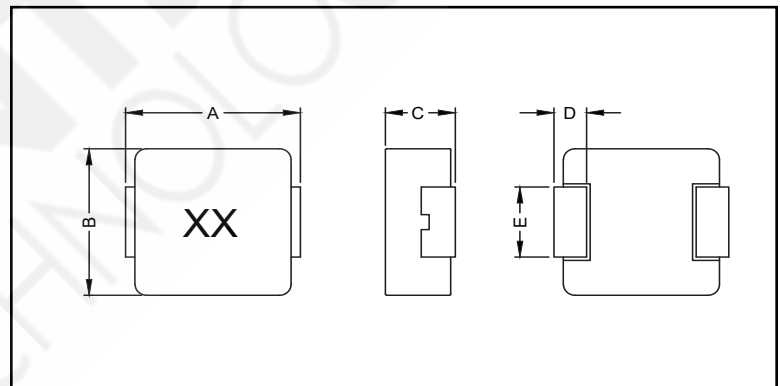
SPECIFICATIONS

Parts are available in ±20% inductance tolerance only.
 *I_{rms} DC current (A) will cause an approximately ΔT of 40°C (keep 1min.)
 **I_{sat} DC current (A) will cause L₀ to drop approximately 30%

Part Number	Inductance @0A (μH)	*I _{rms} Typ. (A)	**I _{sat} Typ. (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)
CTMMP1307AF-1R0M	1.00	4.0	5.0	32	38
CTMMP1307AF-1R5M	1.50	3.8	4.0	42	50
CTMMP1307AF-2R2M	2.20	3.5	3.7	65	75
CTMMP1307AF-3R3M	3.30	3.0	3.5	125	145
CTMMP1307AF-4R7M	4.70	2.6	3.0	172	200
CTMMP1307AF-5R6M	5.60	2.2	2.6	205	238
CTMMP1307AF-6R8M	6.80	1.9	2.2	260	300
CTMMP1307AF-8R2M	8.20	1.6	1.9	340	390
CTMMP1307AF-100M	10.0	1.4	1.6	366	422

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
mm	3.5±0.2	3.2±0.2	1.8±0.2	0.7±0.2	1.2±0.2
inches	0.138±0.008	0.126±0.008	0.071±0.008	0.028±0.008	0.047±0.008



CHARACTERISTICS

Description: SMD (shielded) Power Inductor

Applications: Notebook, Desktop, Server applications, High current power supplies, Battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

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

Inductance Tolerance: ±20%

Testing: Inductance measured at 100kHz/1.0V

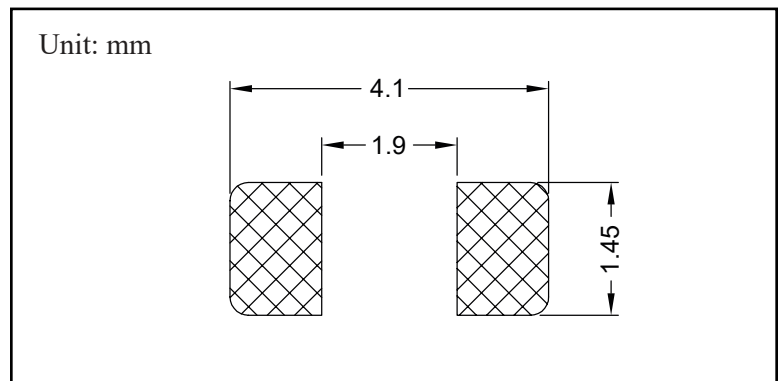
Packaging: Tape & Reel.

Marking: Parts are marked with inductance value.

Miscellaneous: RoHS Compliant.

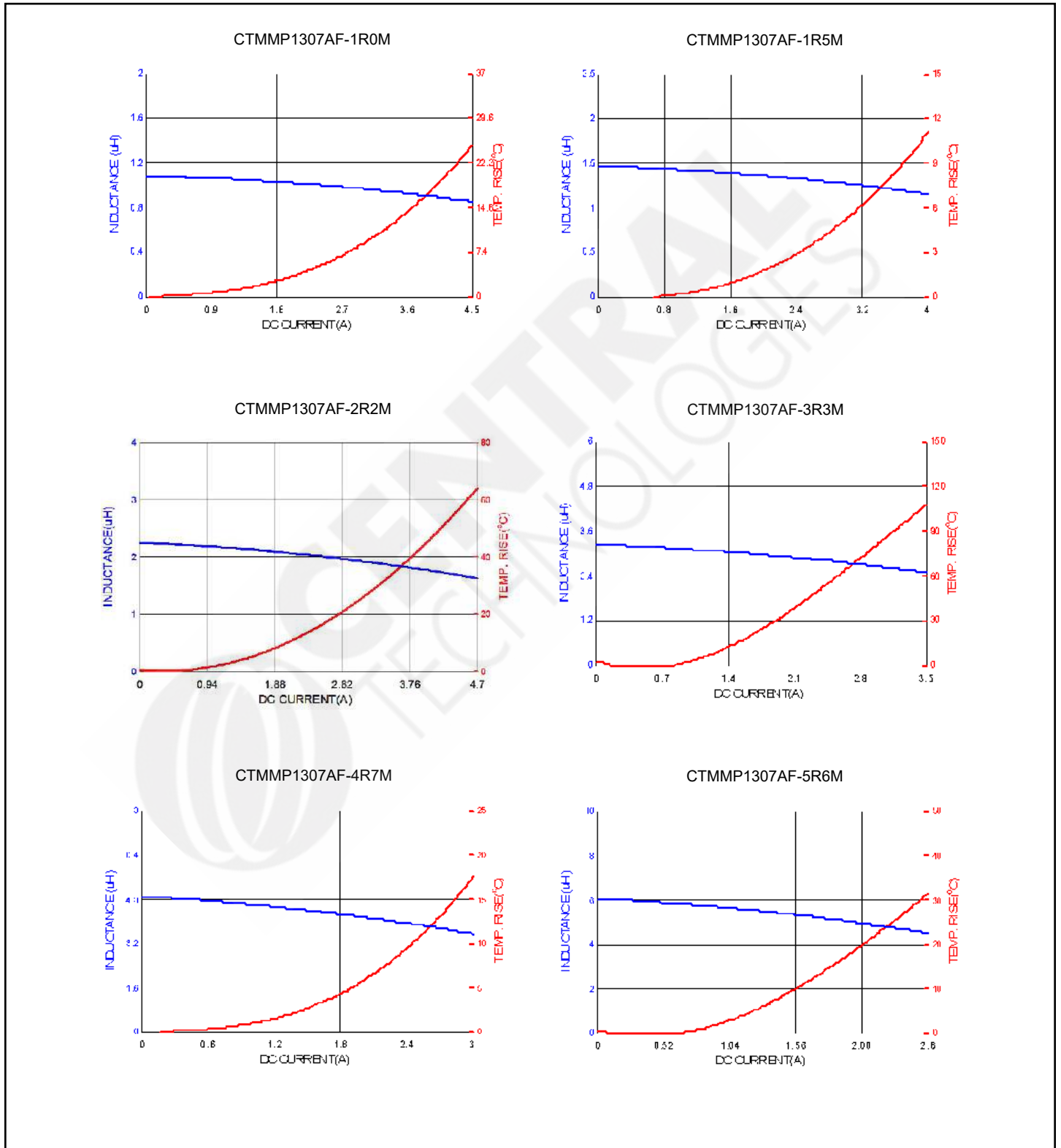
Samples available. See website for ordering information.

PAD LAYOUT



CTMMP1307AF

CHARACTERISTIC CURVES



CTMMP1307AF

CHARACTERISTIC CURVES

