CTMMP2818AF Series

From 0.47 µH to 22 µH

RoHS Compliant

Not Shown at Actual Size

SPECIFICATIONS
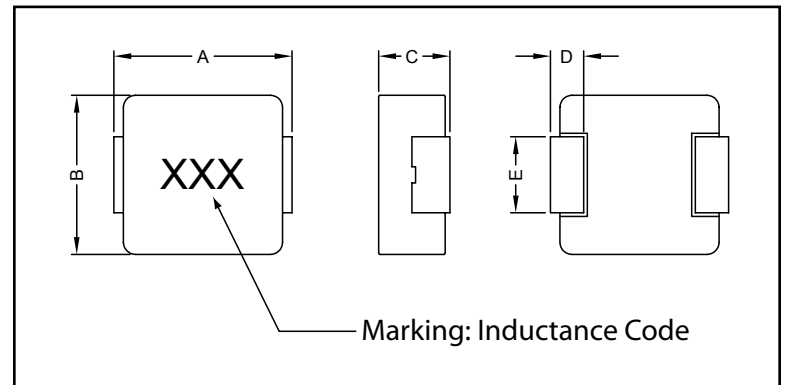
Parts are available in ±20% inductance tolerance only.
*Irms: Will cause the coil temp. rise approximately ΔT of 40°C. (Keep 1 Min)
**Isat: Will cause L0 to drop 20% typical. (Keep quickly)

Part Number	Inductance (µH)	*Irms (A) Typ.	**Isat (A) Typ.	DCR (mΩ) Typ.	DCR (mΩ) Max.
CTMMP2818AF-R47M	0.47	22	30	3.5	3.9
CTMMP2818AF-R56M	0.56	20	27	3.6	4.2
CTMMP2818AF-R60M	0.60	19	25	3.8	4.3
CTMMP2818AF-R68M	0.68	18	24	4.0	4.5
CTMMP2818AF-R82M	0.82	16.5	22	4.6	4.9
CTMMP2818AF-1R0M	1.00	15	20	6.1	6.5
CTMMP2818AF-1R2M	1.20	14	18	6.7	7.5
CTMMP2818AF-1R5M	1.50	12	16.5	8.6	9.0
CTMMP2818AF-2R2M	2.20	10	14	11.2	12.0
CTMMP2818AF-3R3M	3.30	8	12	19	20.9
CTMMP2818AF-4R7M	4.70	6.5	10	28	30.8
CTMMP2818AF-5R6M	5.60	6.0	9.0	43.5	49
CTMMP2818AF-6R8M	6.80	5.5	8.5	46	51.5
CTMMP2818AF-8R2M	8.20	5.0	8.0	56	63
CTMMP2818AF-100M	10.0	4.0	7.5	60	69
CTMMP2818AF-220M	22.0	2.5	5.5	140	170

CHARACTERISTICS

Description: SMD (shielded) Power Inductor.
Applications: Notebook, Desktop, Server applications, Low profile, 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. 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)
Inductance Tolerance: ±20%
Testing: Inductance is tested on an HP4285A at 100KHz, 1.0V
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.

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
mm	7.3±0.3	6.6±0.3	4.8±0.2	1.8±0.3	3.0±0.3
inches	0.29±0.012	0.26±0.012	0.19±0.008	0.071±0.012	0.12±0.012

Marking: Inductance Code

PAD LAYOUT

Unit: mm

8.4

2.5

3.5

CENTRAL TECHNOLOGIES