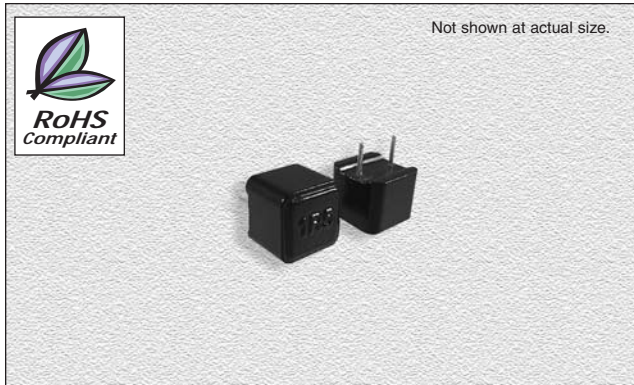


CT0707F Series

From 0.56 μH to 4.7 μH



CHARACTERISTICS

Description: DIP (shielded) power inductors

Applications: Motherboards for laptop and desktop computers & DC/DC converters

Operating Temperature: -25°C to +125°C

Inductance Tolerance: $\pm 20\%$

Testing: Inductance tested at 100kHz, 0.1V

Packaging: Bulk packaged

Marking: Marked with inductance code

Isat: The value of current indicates that inductance drops 20% typ. from it's initial value without DC current.

Irms: The value of current indicates that the temperature of the coil increases 40°C typ.

Features:

- * Shielded construction
- * High current rating up to 18Adc
- * High frequency range up to 500kHz
- * Very low DC resistance
- * Low noise

Miscellaneous: RoHS Compliant.

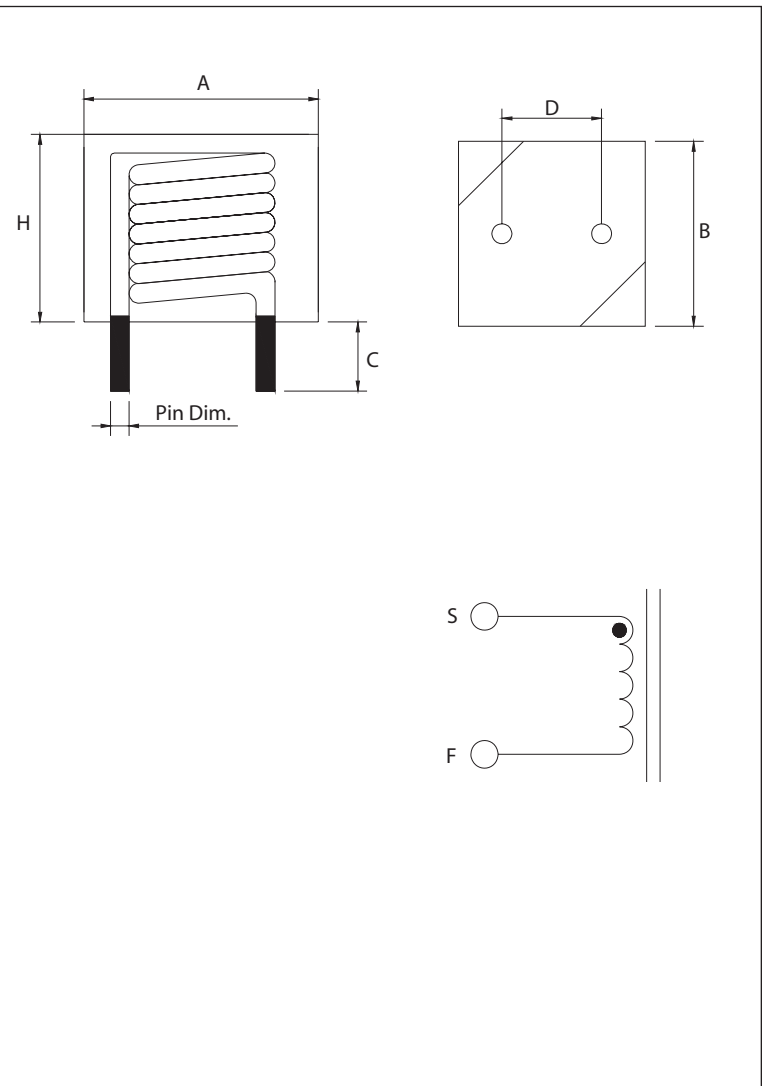
Samples available. See website for ordering information.

SPECIFICATIONS

Part Number	Inductance $\pm 20\%$ (μH)	DCR Typ. ($\text{m}\Omega$)	DCR Max. ($\text{m}\Omega$)	Isat Typ. (A)	Irms Typ. (A)	Dim. "H" Max. (mm)	Pin Dim. ± 0.1 (mm)
CT0707F-R56M	0.56	2.2	2.5	32	18.0	8.5	0.8
CT0707F-1R0M	1.0	5.0	5.6	21	12.0	8.5	0.7
CT0707F-1R5M	1.5	6.6	7.5	18	10.6	8.5	0.6
CT0707F-2R2M	2.2	8.8	10.0	16	9.2	8.5	0.6
CT0707F-2R8M	2.8	10.4	11.8	15	8.5	8.5	0.6
CT0707F-3R3M	3.3	12.0	13.6	14	8.0	10.0	0.6
CT0707F-4R7M	4.7	15.0	17.0	12	7.2	10.0	0.6

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	7.5 ± 0.5	7.5 ± 0.5	3.4 ± 0.5	5.0 ± 0.3
inches	0.295 ± 0.02	0.295 ± 0.02	0.134 ± 0.02	0.197 ± 0.01



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