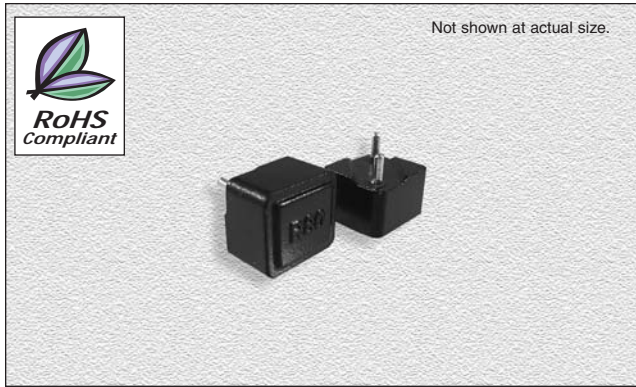


CT1312F Series

From 0.33 μ H to 1.5 μ H

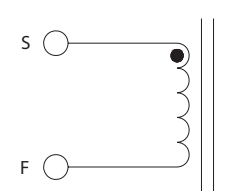
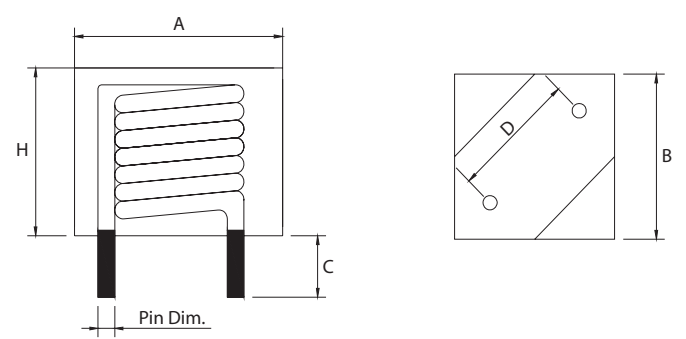
SPECIFICATIONS

Part Number	Inductance $\pm 20\%$ (μ H)	DCR Typ. ($m\Omega$)	DCR Max. ($m\Omega$)	Isat Typ. (A)	Irms Typ. (A)	Dim. "H" Max. (mm)	Pin Dim. ± 0.2 (mm)
CT1312F-R33M	0.33	0.55	0.70	56	40	9.0	1.7
CT1312F-R39M	0.39	0.55	0.70	55	39	9.0	1.7
CT1312F-R47M	0.47	0.70	0.80	54	38	9.0	1.7
CT1312F-R56M	0.56	0.70	0.80	52	38	9.0	1.7
CT1312F-R68M	0.68	0.75	0.85	50	35	10.0	1.7
CT1312F-R80M	0.80	0.80	0.90	48	33	10.0	1.7
CT1312F-R90M	0.90	0.80	0.90	48	33	10.0	1.7
CT1312F-1R0M	1.00	1.20	1.35	40	28	10.0	1.5
CT1312F-1R5M	1.50	1.50	1.70	38	25	11.0	1.5



PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	13.0 \pm 0.5	12.0 \pm 0.5	3.4 \pm 0.5	10.0 \pm 0.5
inches	0.512 \pm 0.02	0.472 \pm 0.02	0.134 \pm 0.02	0.394 \pm 0.02



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 40Adc
 - * High frequency range up to 500kHz
 - * Very low DC resistance
 - * Low noise
- Miscellaneous:** **RoHS Compliant.**
- Samples available. See website for ordering information.**

04.22.09