CTH9F Series

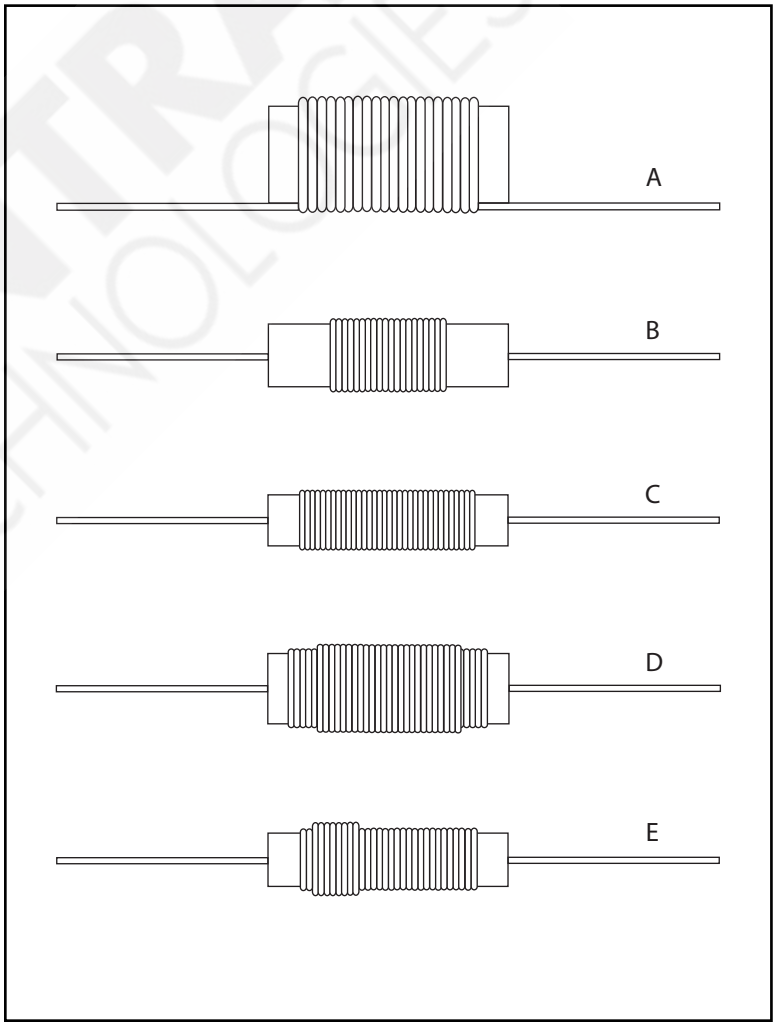
From 3.35µH to 1,000µH

SPECIFICATIONS

Part numbers indicate available tolerance.
M = ±20%

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR Max. (Ω)	Rated Curr. Max. (A)	Coil Dia. (Inch)	Body Length Max. (Inch)	Lead Wire Size (AWG)	Lead Length Approx. (Inch)	Refer to Figure #	Core Material
CTH9F-3R3M	3.35	1.0	.01	20	.60	1.25	12	1.1	A	Iron
CTH9F-4R9M	4.9	1.0	.01	15	.60	1.25	14	1.1	A	Iron
CTH9F-8R8M	8.8	1.0	.02	10	.56	1.25	16	1.1	A	Iron
CTH9F-4R0M	4.0	1.0	.01	8.0	.38	1.25	20	1.1	B	Ferrite
CTH9F-400M	40	1.0	.08	3.0	.31	1.25	20	1.1	C	Ferrite
CTH9F-680M	68	1.0	.05	5.0	.56	1.25	20	1.1	D	Ferrite
CTH9F-101M	100	1.0	.21	2.0	.38	1.25	20	1.1	E	Ferrite
CTH9F-125M	125	1.0	.08	3.5	.50	1.25	20	1.1	D	Ferrite
CTH9F-251M	250	1.0	.17	2.5	.44	1.25	20	1.1	D	Ferrite
CTH9F-501M	500	1.0	.26	2.0	.56	1.25	20	1.1	D	Ferrite
CTH9F-102M	1000	1.0	.55	1.0	.50	1.25	20	1.1	D	Ferrite

PHYSICAL DIMENSIONS



CHARACTERISTICS

Description: Axial leaded power line inductor
Applications: Used in switching regulators, SCR and Triac controls, RFI suppression and filters. High current applications
Operating Temperature: -55°C to +125°C (no load) -55°C to +75°C (at full rated current)
Inductance Tolerance: ±20%
Testing: Inductance is tested on a HP4284A at 1.0kHz
Packaged: Bulk pack
Inductance: Measured at 1.0 volt with zero DC Current
Rated Current: Based on the inductance change within 20% of initial value and temperature rise less than 30°C within coil body
Miscellaneous: RoHS Compliant. Other values are available
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.