



24 different models, vertical mount with self leads, broad inductance and current range, scalable to horizontal mount, 2 or 4 pin headers can be added, custom inductance models available.

Specifications

Operating Temperature Range	-55°C to 105°C, 30°C Max T Rise
Inductance Range	10 μ H - 1000 μ H @ 0 ADC
Rated Current Range	2.4 A to 20.0 A
Lead or Termination	1/2 in minimum self lead length, tinned to 1/16 in above mounting plane
Dimensions	1.28 in maximum height, 0.65 in maximum width

Part Number	L (uh) \pm 15% @ 1 kHz	IDC (A)	L (uh) \pm 15% @ I rated	DCR Ohm Max
HCTI-10-20.0	10	20.0	6.7	0.005
HCTI-12-19.1	12	19.1	7.8	0.005
HCTI-15-18.0	15	18.0	9.5	0.006
HCTI-18-17.2	18	17.2	11.1	0.006
HCTI-22-16.4	22	16.4	13.2	0.007
HCTI-27-15.6	27	15.6	15.7	0.008
HCTI-33-11.7	33	11.7	21.3	0.013
HCTI-39-11.2	39	11.2	24.7	0.014
HCTI-47-10.7	47	10.7	29.0	0.016
HCTI-56-10.2	56	10.2	33.7	0.017
HCTI-68-7.7	68	7.7	45.2	0.030
HCTI-100-7.0	100	7.0	63.1	0.037
HCTI-120-6.7	120	6.7	73.9	0.040
HCTI-150-5.0	150	5.0	101.4	0.071
HCTI-180-4.8	180	4.8	118.9	0.078
HCTI-220-5.8	220	5.8	123.8	0.054
HCTI-270-5.5	270	5.5	147.2	0.060
HCTI-330-5.2	330	5.2	174.1	0.067
HCTI-390-5.0	390	5.0	200.2	0.072
HCTI-470-3.8	470	3.8	271.4	0.130
HCTI-560-3.6	560	3.6	314.8	0.140
HCTI-680-3.4	680	3.4	370.7	0.150
HCTI-820-2.6	820	2.6	500.9	0.270
HCTI-1000-2.4	1000	2.4	593.6	0.300

Features

- High efficiency through reduced core loss
- Low magnetic radiation from self shielding
- High energy storage with distributed air gaps
- Class B Insulation
- RoHS and REACH Compliant

Applications

- Consumer products
- PC boards for controls and power supplies
- Various industrial and medical applications

How used in circuitry

- EMI/RFI filter
- Energy storage device, choke inductor

