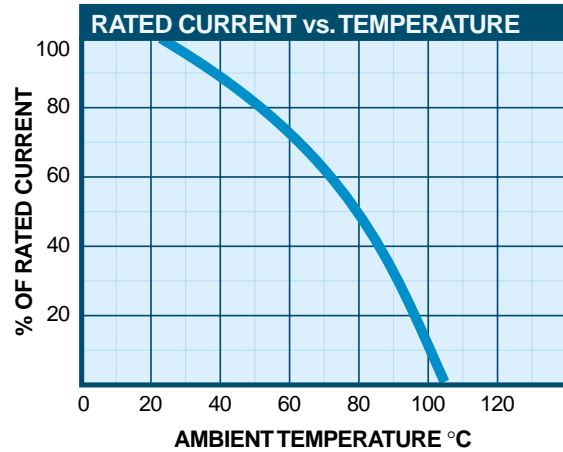
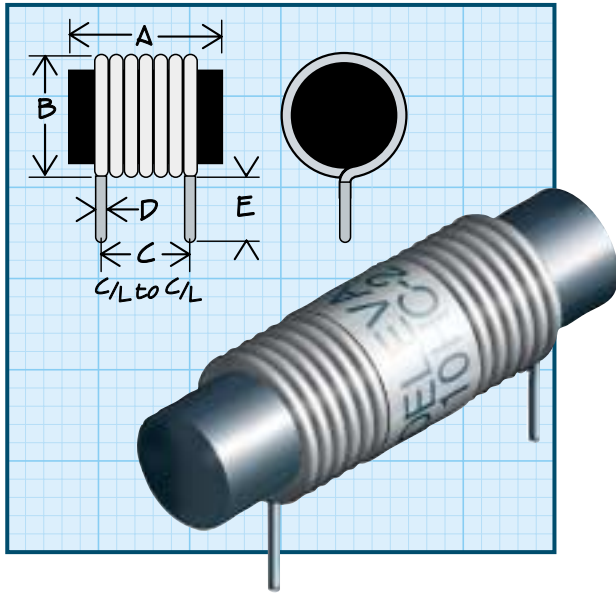


High Current Filter Chokes

POWER INDUCTORS



Current Rating based on continuous operation at room temperature ambient. Derating is required at elevated ambient temperatures in accordance with the derating curve. For more detailed graphs, contact factory

| PART NUMBER* | INDUCTANCE (µH) ± 10% @ 1kHz** | | CURRENT RATING MAXIMUM (Amps) | DC RESISTANCE MAX. (OHMS) | INCREMENTAL CURRENT (AMPS)*** | A (Max.) | B (Max.) | DIMENSIONS Inches [Millimeters] | |
|------------------------|-----------------------------------|----|----------------------------------|------------------------------|----------------------------------|---------------|---------------|------------------------------------|----------------------------------|
| | | | | | | | | C ± .062 inches [± 1.59mm] | D ± .005 inches [± 0.13mm] |
| SERIES HC FERRITE CORE | | | | | | | | | |
| 3HC-5 | 5 | 3 | 0.015 | 19 | 0.875 [22.23] | 0.625 [15.88] | 0.500 [12.70] | 0.042 [1.07] | |
| 3HC-10 | 10 | 3 | 0.018 | 17 | 1.125 [28.58] | 0.625 [15.88] | 0.687 [17.45] | 0.042 [1.07] | |
| 3HC-27 | 27 | 3 | 0.035 | 15 | 0.875 [22.23] | 0.812 [20.62] | 0.437 [11.10] | 0.042 [1.07] | |
| 3HC-50 | 50 | 3 | 0.050 | 12 | 1.125 [28.58] | 0.812 [20.62] | 0.750 [19.05] | 0.042 [1.07] | |
| 3HC-100 | 100 | 3 | 0.065 | 8 | 1.125 [28.58] | 0.812 [20.62] | 0.937 [23.80] | 0.042 [1.07] | |
| 3HC-150 | 150 | 3 | 0.075 | 5 | 1.375 [34.93] | 0.812 [20.62] | 1.062 [26.97] | 0.042 [1.07] | |
| 3HC-200 | 200 | 3 | 0.080 | 4 | 1.625 [41.28] | 0.812 [20.62] | 1.050 [26.67] | 0.042 [1.07] | |
| 3HC-250 | 250 | 3 | 0.090 | 3 | 1.625 [41.28] | 0.812 [20.62] | 1.312 [33.32] | 0.042 [1.07] | |
| 3HC-500 | 500 | 3 | 0.130 | 1 | 1.625 [41.28] | 0.950 [24.13] | 0.990 [25.15] | 0.042 [1.07] | |
| 5HC-5 | 5 | 5 | 0.012 | 20 | 0.875 [22.23] | 0.640 [16.26] | 0.750 [19.05] | 0.053 [1.35] | |
| 5HC-10 | 10 | 5 | 0.015 | 18 | 1.125 [28.58] | 0.640 [16.26] | 1.000 [25.40] | 0.053 [1.35] | |
| 5HC-27 | 27 | 5 | 0.025 | 15 | 0.875 [22.23] | 0.875 [22.23] | 0.562 [14.27] | 0.053 [1.35] | |
| 5HC-50 | 50 | 5 | 0.030 | 10 | 1.125 [28.58] | 0.875 [22.23] | 0.750 [19.05] | 0.053 [1.35] | |
| 5HC-68 | 68 | 5 | 0.035 | 9 | 1.125 [28.58] | 0.875 [22.23] | 0.875 [22.23] | 0.053 [1.35] | |
| 5HC-100 | 100 | 5 | 0.050 | 7 | 1.375 [34.93] | 0.875 [22.23] | 1.000 [25.40] | 0.053 [1.35] | |
| 5HC-150 | 150 | 5 | 0.060 | 5 | 1.625 [41.28] | 0.875 [22.23] | 1.250 [31.75] | 0.053 [1.35] | |
| 5HC-250 | 250 | 5 | 0.075 | 3 | 1.625 [41.28] | 1.100 [27.94] | 0.900 [22.86] | 0.053 [1.35] | |
| 10HC-5 | 5 | 10 | 0.010 | 19 | 1.125 [28.58] | 0.687 [17.45] | 0.812 [20.62] | 0.065 [1.65] | |
| 10HC-10 | 10 | 10 | 0.012 | 17 | 1.375 [34.93] | 0.687 [17.45] | 1.218 [30.94] | 0.065 [1.65] | |
| 10HC-15 | 15 | 10 | 0.015 | 16 | 1.625 [41.28] | 0.687 [17.45] | 1.415 [35.94] | 0.065 [1.65] | |
| 10HC-27 | 27 | 10 | 0.018 | 15 | 1.125 [28.58] | 0.937 [23.80] | 0.687 [17.45] | 0.065 [1.65] | |
| 10HC-50 | 50 | 10 | 0.025 | 9 | 1.375 [34.93] | 0.937 [23.80] | 0.937 [23.80] | 0.065 [1.65] | |
| 10HC-68 | 68 | 10 | 0.027 | 9 | 1.375 [34.93] | 0.937 [23.80] | 1.125 [28.58] | 0.065 [1.65] | |
| 10HC-100 | 100 | 10 | 0.030 | 6 | 1.625 [41.28] | 0.937 [23.80] | 1.312 [33.32] | 0.065 [1.65] | |
| 15HC-5 | 5 | 15 | 0.008 | 20 | 1.375 [34.93] | 0.725 [18.42] | 0.937 [23.80] | 0.082 [2.08] | |
| 15HC-10 | 10 | 15 | 0.010 | 17 | 1.687 [42.85] | 0.725 [18.42] | 1.500 [38.10] | 0.082 [2.08] | |
| 15HC-27 | 27 | 15 | 0.015 | 14 | 1.375 [34.93] | 1.000 [25.40] | 0.937 [23.80] | 0.082 [2.08] | |
| 15HC-50 | 50 | 15 | 0.020 | 9 | 1.625 [41.28] | 1.000 [25.40] | 1.125 [28.58] | 0.082 [2.08] | |
| 15HC-100 | 100 | 15 | 0.030 | 5 | 1.625 [41.28] | 1.500 [38.10] | 1.312 [33.32] | 0.082 [2.08] | |

Dimension E
1.0 inches ± 1/16 inches;
25.4mm ± 1.59mm

Notes
** Inductance measured with zero DC current.
*** Incremental current reduces inductance by 10% or less. Average current must not exceed specified rated current.

Packaging Bulk only

*Complete part # must include series # PLUS the dash #

For further surface finish information, refer to TECHNICAL section of this catalog.