

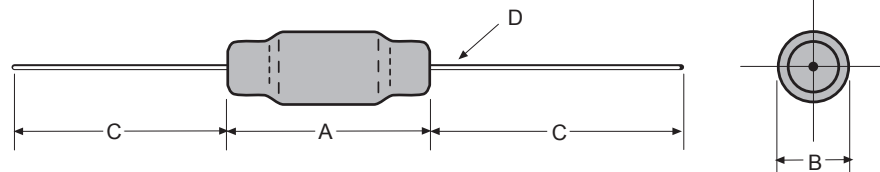


# Axial High Current Chokes AHC40



## Dimensions (In.)

See Table



Allied Part Number	Inductance (µh)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current Max. (A)	A Max. (Inches)	B Max. (Inches)	C Max. (Inches)	D AWG
AHC40-1-500K-RC	50	4.0	.12	1	.800	.475	1.25	20
AHC40-1-101K-RC	100	2.0	.18	1	.800	.475	1.25	20
AHC40-1-251K-RC	250	1.0	.30	1	1.05	.475	1.25	20
AHC40-1-501K-RC	500	.8	.50	1	1.05	.550	1.25	20
AHC40-1-102K-RC	1000	.5	.60	1	1.17	.550	1.25	20
AHC40-2-270K-RC	27	5.5	.085	2	.800	.500	1.25	20
AHC40-2-500K-RC	50	4.0	.10	2	.800	.500	1.25	20
AHC40-2-101K-RC	100	2.0	.15	2	.920	.500	1.25	20
AHC40-2-251K-RC	250	1.0	.25	2	.920	.600	1.25	20
AHC40-2-501K-RC	500	.5	.45	2	1.05	.750	1.25	20
AHC40-3-5R0K-RC	5	25.0	.025	3	.800	.475	1.25	20
AHC40-3-100K-RC	10	20.0	.035	3	.920	.475	1.25	20
AHC40-3-270K-RC	27	6.0	.05	3	.800	.550	1.25	20
AHC40-3-500K-RC	50	4.0	.065	3	.920	.500	1.25	20
AHC40-3-101K-RC	100	2.0	.075	3	1.17	.500	1.25	18
AHC40-5-5R0K-RC	5	50.0	.015	5	1.05	.475	1.25	18
AHC40-5-100K-RC	10	40.0	.025	5	1.05	.475	1.25	18
AHC40-5-270K-RC	27	7.0	.035	5	1.05	.700	1.25	18
AHC40-5-500K-RC	50	2.0	.05	5	1.05	.700	1.25	18
AHC40-5-101K-RC	100	1.0	.065	5	1.30	.700	1.25	18

All specifications subject to change without notice.

## Features

- Axial leads for through-hole PC board mounting.
- Pre-tinned leads.
- Low cost construction
- Designed for use with switching power supplies and other high current filtering applications.

## Electrical

**Inductance:** Measured at 1KHz with no DC current. Rated current will decrease inductance by 10% or less.

**Tolerance:** 10% over entire inductance range. Available in tighter tolerances.

**Current Rating:** Max. continuous operating current (DC or RMS) at room temp.

**Dielectric Rating:** 2500 V RMS, 60 Hz applied for one min. between winding and outer circumference to within .25° of the insulation sleeve edge.

**Temp. Rating:** Continuous operation at temp. between -55 and +105°C.

## Mechanical

**Winding:** layered solenoid type on magnetic core.

**Wire:** Solid soft copper.

**Leads:** Tinned copper wire.

**Cover:** U.L. shrink tubing

## Physical

**Packaging:** 25 pieces per bag.