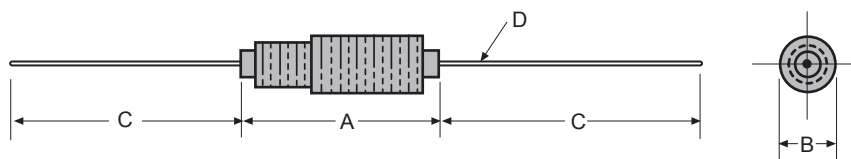


# AHC50 Axial High Current Chokes



## Dimensions (In.)

See Table



### 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.

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

**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:** Varnish coating/U.L. shrink tubing optional.

### Physical

**Packaging:** 100 pieces per tray.

Allied Part Number	Inductance (μh)	DCR Max. (Ω)	Rated DC Current Max. (A)	A Max. (Inches)	B Max. (Inches)	C Max. (Inches)	D AWG	Core Material
AHC50-3R35M-RC	3.35	.01	20	.79	.60	1.25	12	IRON
AHC50-4R9M-RC	4.9	.016	15	1.38	.60	1.25	14	IRON
AHC50-8R8M-RC	8.8	.021	10	1.38	.56	1.25	16	IRON
AHC50-4R0M-RC	4	.012	8	1.38	.38	1.25	20	FERRITE
AHC50-400M-RC	40	.082	3	1.38	.315	1.25	20	FERRITE
AHC50-680M-RC	68	.054	5	1.38	.57	1.25	20	FERRITE
AHC50-101M-RC	100	.216	2	1.38	.394	1.25	20	FERRITE
AHC50-125M-RC	125	.08	3.5	1.38	.50	1.25	20	FERRITE
AHC50-251M-RC	250	.17	2.5	1.38	.453	1.25	20	FERRITE
AHC50-501M-RC	500	.26	2	1.38	.57	1.25	20	FERRITE
AHC50-102M-RC	1000	.55	1	1.38	.512	1.25	20	FERRITE

AHC50-3R35M through AHC50-4R0M L measured on Q meter at 7.9 MHz.  
 AHC50-400M through AHC50-102M L measured on 1kHz bridge.  
 All specifications subject to change without notice.