

# THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

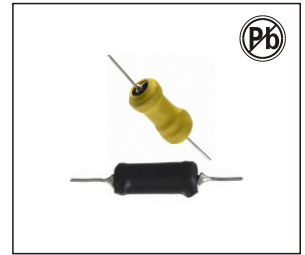
## LCHA1425 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics
- High Reliability
- High Inductance and Lower RDC

### COMMON APPLICATIONS:

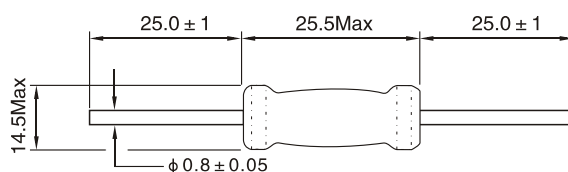
- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators



### STANDARD SPECIFICATIONS:

| Part Number<br>LCHA1425- | L<br>( $\mu$ H) | DCR<br>Max.<br>$\Omega$<br>@ +20°C | I Sat<br>A(max) | Idc<br>A(max) |
|--------------------------|-----------------|------------------------------------|-----------------|---------------|
| 3R9K                     | 3.9             | .007                               | 47.0            | 6.0           |
| 4R7K                     | 4.7             | .008                               | 42.0            | 6.0           |
| 5R6K                     | 5.6             | .009                               | 35.0            | 6.0           |
| 6R8K                     | 6.8             | .010                               | 29.0            | 6.0           |
| 8R2K                     | 8.2             | .011                               | 24.0            | 6.0           |
| 100K                     | 10              | .012                               | 19.0            | 6.0           |
| 120K                     | 12              | .013                               | 16.0            | 6.0           |
| 150K                     | 15              | .014                               | 14.8            | 6.0           |
| 180K                     | 18              | .015                               | 13.4            | 6.0           |
| 220K                     | 22              | .016                               | 12.4            | 6.0           |
| 270K                     | 27              | .017                               | 11.2            | 6.0           |
| 330K                     | 33              | .021                               | 10.2            | 6.0           |
| 390K                     | 39              | .023                               | 9.3             | 6.0           |
| 470K                     | 47              | .025                               | 8.7             | 6.0           |
| 560K                     | 56              | .028                               | 8.0             | 6.0           |
| 680K                     | 68              | .039                               | 7.0             | 4.7           |
| 820K                     | 82              | .043                               | 6.3             | 4.7           |
| 101K                     | 100             | .055                               | 5.7             | 3.8           |
| 121K                     | 120             | .076                               | 5.3             | 3.0           |
| 151K                     | 150             | .084                               | 4.7             | 3.0           |
| 181K                     | 180             | .096                               | 4.3             | 3.0           |
| 221K                     | 220             | .108                               | 4.0             | 3.0           |
| 271K                     | 270             | .151                               | 3.6             | 2.3           |
| 331K                     | 330             | .168                               | 3.2             | 2.3           |
| 391K                     | 390             | .182                               | 2.9             | 2.3           |
| 471K                     | 470             | .202                               | 2.6             | 2.3           |
| 561K                     | 560             | .348                               | 2.4             | 1.4           |
| 681K                     | 680             | .470                               | 2.2             | 1.2           |
| 821K                     | 820             | .500                               | 2.0             | 1.2           |
| 102K                     | 1000            | .570                               | 1.8             | 1.2           |
| 122K                     | 1200            | .648                               | 1.70            | 1.200         |
| 152K                     | 1500            | .888                               | 1.55            | 0.900         |
| 182K                     | 1800            | 1.16                               | 1.40            | 0.750         |
| 222K                     | 2200            | 1.20                               | 1.25            | 0.750         |
| 272K                     | 2700            | 1.44                               | 1.10            | 0.750         |
| 332K                     | 3300            | 1.92                               | 1.000           | 0.590         |
| 392K                     | 3900            | 2.16                               | 0.900           | 0.590         |
| 472K                     | 4700            | 2.50                               | 0.850           | 0.590         |
| 562K                     | 5600            | 3.20                               | 0.780           | 0.450         |
| 682K                     | 6800            | 4.00                               | 0.700           | 0.450         |
| 822K                     | 8200            | 5.20                               | 0.650           | 0.350         |
| 103K                     | 10000           | 6.00                               | 0.600           | 0.350         |
| 123K                     | 12000           | 8.00                               | 0.540           | 0.270         |
| 153K                     | 15000           | 10.00                              | 0.480           | 0.200         |
| 183K                     | 18000           | 11.00                              | 0.460           | 0.200         |
| 223K                     | 22000           | 13.00                              | 0.390           | 0.200         |
| 273K                     | 27000           | 15.00                              | 0.355           | 0.200         |
| 333K                     | 33000           | 21.00                              | 0.330           | 0.160         |
| 393K                     | 39000           | 23.20                              | 0.300           | 0.160         |
| 473K                     | 47000           | 32.00                              | 0.270           | 0.120         |
| 563K                     | 56000           | 35.00                              | 0.175           | 0.120         |
| 683K                     | 68000           | 48.00                              | 0.145           | 0.095         |
| 823K                     | 82000           | 54.30                              | 0.120           | 0.095         |
| 104K                     | 100000          | 68.50                              | 0.100           | 0.070         |
| 124K                     | 120000          | 75.00                              | 0.080           | 0.070         |
| 154K                     | 150000          | 84.30                              | 0.060           | 0.070         |

### TECHNICAL INFORMATION:



Testing: LCR Bridge measured @ 1KHz 0.1V HP 4284A  
(Equivalent acceptable)

RDC: QuadTech 1880 Milliohmmer

IDC Max: Lowers inductance by 10%

Operating temperature: -55°C to +125°C

Shrink tube: Flame retardant UL type VW-1

Marking: Inductance and tolerance

Note: All specifications subject to change without notice.