

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0406 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



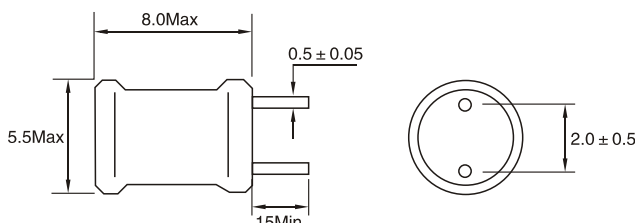
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Min. | DCR(Ω) Max. | Rated DC Current (mA)Max. | Part No.      | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Min. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---------------|-------------|--------|--------------|----------------|-------------|---------------------------|---------------|-------------|--------|--------------|----------------|-------------|---------------------------|
| LCHB0406-1R0M | 1.0         | 100    | 7.96MHz      | 120.00         | 0.035       | 2000                      | LCHB0406-151K | 150.0       | 65     | 796KHz       | 4.20           | 1.300       | 350                       |
| LCHB0406-1R2M | 1.2         | 100    | 7.96MHz      | 120.00         | 0.058       | 1950                      | LCHB0406-181K | 180.0       | 65     | 796KHz       | 3.60           | 1.500       | 320                       |
| LCHB0406-1R5M | 1.5         | 100    | 7.96MHz      | 120.00         | 0.075       | 1900                      | LCHB0406-221K | 220.0       | 65     | 796KHz       | 2.80           | 1.800       | 300                       |
| LCHB0406-1R8M | 1.8         | 100    | 7.96MHz      | 120.00         | 0.110       | 1800                      | LCHB0406-271K | 270.0       | 50     | 796KHz       | 2.40           | 1.900       | 275                       |
| LCHB0406-2R2M | 2.2         | 100    | 7.96MHz      | 100.00         | 0.120       | 1750                      | LCHB0406-331K | 330.0       | 50     | 796KHz       | 2.20           | 2.200       | 250                       |
| LCHB0406-2R7M | 2.7         | 100    | 7.96MHz      | 80.00          | 0.125       | 1680                      | LCHB0406-391K | 390.0       | 50     | 796KHz       | 2.00           | 2.700       | 220                       |
| LCHB0406-3R3M | 3.3         | 100    | 7.96MHz      | 75.00          | 0.130       | 1500                      | LCHB0406-471K | 470.0       | 50     | 796KHz       | 1.70           | 3.600       | 200                       |
| LCHB0406-3R9M | 3.9         | 100    | 7.96MHz      | 70.00          | 0.135       | 1450                      | LCHB0406-561K | 560.0       | 50     | 796KHz       | 1.50           | 4.200       | 190                       |
| LCHB0406-4R7K | 4.7         | 100    | 7.96MHz      | 50.00          | 0.140       | 1320                      | LCHB0406-681K | 680.0       | 50     | 796KHz       | 1.30           | 4.600       | 170                       |
| LCHB0406-5R6K | 5.6         | 100    | 7.96MHz      | 45.00          | 0.145       | 1230                      | LCHB0406-821K | 820.0       | 50     | 796KHz       | 1.10           | 5.700       | 155                       |
| LCHB0406-6R8K | 6.8         | 100    | 7.96MHz      | 30.00          | 0.150       | 1150                      | LCHB0406-102K | 1000.0      | 90     | 252KHz       | 1.00           | 6.700       | 150                       |
| LCHB0406-8R2K | 8.2         | 100    | 7.96MHz      | 22.00          | 0.160       | 1100                      | LCHB0406-122K | 1200.0      | 90     | 252KHz       | 0.90           | 8.200       | 140                       |
| LCHB0406-100K | 10.0        | 80     | 2.52MHz      | 20.00          | 0.230       | 1000                      | LCHB0406-152K | 1500.0      | 80     | 252KHz       | 0.80           | 13.000      | 120                       |
| LCHB0406-120K | 12.0        | 80     | 2.52MHz      | 17.00          | 0.240       | 970                       | LCHB0406-182K | 1800.0      | 80     | 252KHz       | 0.80           | 15.000      | 110                       |
| LCHB0406-150K | 15.0        | 80     | 2.52MHz      | 16.00          | 0.250       | 920                       | LCHB0406-222K | 2200.0      | 80     | 252KHz       | 0.80           | 17.000      | 100                       |
| LCHB0406-180K | 18.0        | 80     | 2.52MHz      | 12.00          | 0.330       | 860                       | LCHB0406-272K | 2700.0      | 80     | 252KHz       | 0.80           | 19.000      | 90                        |
| LCHB0406-220K | 22.0        | 80     | 2.52MHz      | 10.00          | 0.450       | 800                       | LCHB0406-332K | 3300.0      | 70     | 252KHz       | 0.70           | 26.000      | 83                        |
| LCHB0406-270K | 27.0        | 80     | 2.52MHz      | 9.50           | 0.500       | 710                       | LCHB0406-392K | 3900.0      | 70     | 252KHz       | 0.65           | 30.000      | 76                        |
| LCHB0406-330K | 33.0        | 80     | 2.52MHz      | 8.70           | 0.700       | 660                       | LCHB0406-472K | 4700.0      | 65     | 252KHz       |                | 45.000      | 70                        |
| LCHB0406-390K | 39.0        | 70     | 2.52MHz      | 8.20           | 0.740       | 600                       | LCHB0406-562K | 5600.0      | 65     | 252KHz       |                | 48.000      | 62                        |
| LCHB0406-470K | 47.0        | 70     | 2.52MHz      | 7.80           | 0.760       | 550                       | LCHB0406-682K | 6800.0      | 65     | 252KHz       |                | 56.000      | 56                        |
| LCHB0406-560K | 56.0        | 50     | 2.52MHz      | 7.60           | 0.800       | 500                       | LCHB0406-822K | 8200.0      | 65     | 252KHz       |                | 62.000      | 52                        |
| LCHB0406-680K | 68.0        | 50     | 2.52MHz      | 6.80           | 0.900       | 470                       | LCHB0406-103K | 10000.0     | 45     | 79.6KHz      |                | 72.000      | 47                        |
| LCHB0406-820K | 82.0        | 50     | 2.52MHz      | 6.00           | 0.950       | 430                       | LCHB0406-153K | 15000.0     | 45     | 79.6KHz      |                | 120.000     | 35                        |
| LCHB0406-101K | 100.0       | 45     | 796KHz       | 6.00           | 1.000       | 400                       | LCHB0406-223K | 22000.0     | 45     | 79.6KHz      |                | 160.000     | 24                        |
| LCHB0406-121K | 120.0       | 45     | 796KHz       | 5.50           | 1.100       | 370                       | LCHB0406-253K | 25000.0     | 45     | 79.6KHz      |                | 180.000     | 20                        |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimmension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0608 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



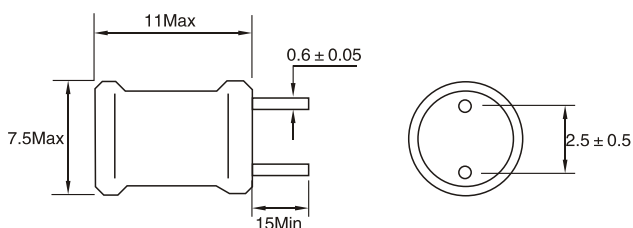
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L @ 1KHz (uH) | Q Min. | Q Test Freq. | DCR(Ω) Max. | Rated DC Current (mA)Max. | Part No.      | L @ 1KHz (uH) | Q Min. | Q Test Freq. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---------------|---------------|--------|--------------|-------------|---------------------------|---------------|---------------|--------|--------------|-------------|---------------------------|
| LCHB0608-3R3K | 3.3           | 20     | 7.96MHz      | 0.016       | 3500                      | LCHB0608-392K | 3900.0        | 70     | 252kHz       | 11.700      | 105                       |
| LCHB0608-4R7K | 4.7           | 20     | 7.96MHz      | 0.020       | 3000                      | LCHB0608-472K | 4700.0        | 70     | 252kHz       | 13.600      | 95                        |
| LCHB0608-6R8K | 6.8           | 20     | 7.96MHz      | 0.022       | 2500                      | LCHB0608-562K | 5600.0        | 70     | 252kHz       | 16.600      | 85                        |
| LCHB0608-100K | 10.0          | 30     | 2.52MHz      | 0.039       | 2000                      | LCHB0608-682K | 6800.0        | 70     | 252kHz       | 19.600      | 80                        |
| LCHB0608-150K | 15.0          | 30     | 2.52MHz      | 0.045       | 1700                      | LCHB0608-822K | 8200.0        | 70     | 252kHz       | 25.200      | 70                        |
| LCHB0608-220K | 22.0          | 30     | 2.52MHz      | 0.062       | 1400                      | LCHB0608-103K | 10000.0       | 70     | 79.6kHz      | 29.500      | 65                        |
| LCHB0608-330K | 33.0          | 30     | 2.52MHz      | 0.100       | 1100                      | LCHB0608-123K | 12000.0       | 50     | 79.6kHz      | 33.800      | 60                        |
| LCHB0608-470K | 47.0          | 30     | 2.52MHz      | 0.150       | 950                       | LCHB0608-153K | 15000.0       | 50     | 79.6kHz      | 45.400      | 55                        |
| LCHB0608-680K | 68.0          | 30     | 2.52MHz      | 0.220       | 800                       | LCHB0608-183K | 18000.0       | 50     | 79.6kHz      | 50.400      | 50                        |
| LCHB0608-101K | 100.0         | 20     | 796kHz       | 0.350       | 650                       | LCHB0608-223K | 22000.0       | 50     | 79.6kHz      | 80.000      | 45                        |
| LCHB0608-151K | 150.0         | 20     | 796kHz       | 0.430       | 540                       | LCHB0608-303K | 30000.0       | 50     | 79.6kHz      | 91.500      | 40                        |
| LCHB0608-221K | 220.0         | 20     | 796kHz       | 0.900       | 440                       | LCHB0608-333K | 33000.0       | 50     | 79.6kHz      | 98.500      | 35                        |
| LCHB0608-331K | 330.0         | 20     | 796kHz       | 1.500       | 360                       | LCHB0608-393K | 39000.0       | 50     | 79.6kHz      | 140.000     | 32                        |
| LCHB0608-471K | 470.0         | 20     | 796kHz       | 1.800       | 300                       | LCHB0608-473K | 47000.0       | 50     | 79.6kHz      | 160.000     | 30                        |
| LCHB0608-681K | 680.0         | 20     | 796kHz       | 2.500       | 250                       | LCHB0608-503K | 50000.0       | 50     | 79.6kHz      | 170.000     | 29                        |
| LCHB0608-102K | 1000.0        | 100    | 252kHz       | 3.200       | 200                       | LCHB0608-563K | 56000.0       | 50     | 79.6kHz      | 250.000     | 28                        |
| LCHB0608-122K | 1200.0        | 70     | 252kHz       | 3.500       | 180                       | LCHB0608-683K | 68000.0       | 50     | 79.6kHz      | 282.000     | 25                        |
| LCHB0608-152K | 1500.0        | 70     | 252kHz       | 4.500       | 170                       | LCHB0608-823K | 82000.0       | 50     | 79.6kHz      | 312.000     | 23                        |
| LCHB0608-182K | 1800.0        | 70     | 252kHz       | 5.000       | 155                       | LCHB0608-104K | 100000.0      | 30     | 25.2kHz      | 380.000     | 20                        |
| LCHB0608-222K | 2200.0        | 70     | 252kHz       | 6.800       | 140                       | LCHB0608-124K | 120000.0      | 30     | 25.2kHz      | 430.000     | 18                        |
| LCHB0608-272K | 2700.0        | 70     | 252kHz       | 7.200       | 125                       | LCHB0608-154K | 150000.0      | 30     | 25.2kHz      | 520.000     | 16                        |
| LCHB0608-332K | 3300.0        | 70     | 252kHz       | 10.500      | 115                       |               |               |        |              |             |                           |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A  
(Equivalent acceptable)  
RDC: QuadTech 1880 Milliohmometer  
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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0707 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



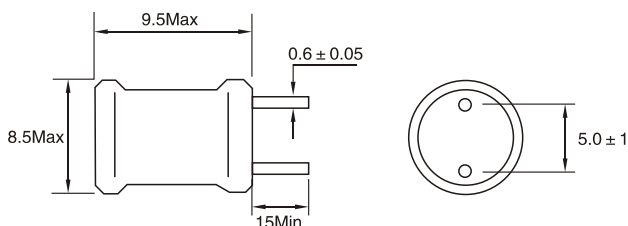
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L @ 1KHz<br>(uH) | Q<br>Min. | Q Test<br>Freq. | SRF<br>(MHz)<br>Typ. | DCR(Ω)<br>Max. | Rated Current (A)Max. |       |
|---------------|------------------|-----------|-----------------|----------------------|----------------|-----------------------|-------|
|               |                  |           |                 |                      |                | I sat                 | I rms |
| LCHB0707-1R0M | 1.0              | 10        | 7.96MHz         | 70.0                 | 0.006          | 6.60                  | 5.00  |
| LCHB0707-1R5M | 1.5              | 10        | 7.96MHz         | 56.0                 | 0.008          | 5.40                  | 4.30  |
| LCHB0707-2R2M | 2.2              | 10        | 7.96MHz         | 45.0                 | 0.011          | 4.00                  | 3.70  |
| LCHB0707-3R3M | 3.3              | 10        | 7.96MHz         | 36.0                 | 0.018          | 3.60                  | 2.90  |
| LCHB0707-4R7M | 4.7              | 10        | 7.96MHz         | 29.0                 | 0.022          | 3.10                  | 2.60  |
| LCHB0707-6R8M | 6.8              | 10        | 7.96MHz         | 24.0                 | 0.028          | 2.50                  | 2.30  |
| LCHB0707-100K | 10.0             | 20        | 2.52MHz         | 19.0                 | 0.043          | 2.10                  | 1.90  |
| LCHB0707-150K | 15.0             | 20        | 2.52MHz         | 15.0                 | 0.056          | 1.70                  | 1.60  |
| LCHB0707-220K | 22.0             | 20        | 2.52MHz         | 12.0                 | 0.086          | 1.40                  | 1.30  |
| LCHB0707-330K | 33.0             | 20        | 2.52MHz         | 9.4                  | 0.140          | 1.10                  | 1.00  |
| LCHB0707-470K | 47.0             | 20        | 2.52MHz         | 7.6                  | 0.170          | 0.96                  | 0.94  |
| LCHB0707-680K | 68.0             | 20        | 2.52MHz         | 6.2                  | 0.280          | 0.79                  | 0.73  |
| LCHB0707-101K | 100.0            | 20        | 796kHz          | 5.0                  | 0.330          | 0.66                  | 0.67  |
| LCHB0707-151K | 150.0            | 20        | 796kHz          | 4.0                  | 0.560          | 0.53                  | 0.52  |
| LCHB0707-221K | 220.0            | 20        | 796kHz          | 3.2                  | 0.720          | 0.44                  | 0.46  |
| LCHB0707-331K | 330.0            | 20        | 796kHz          | 2.5                  | 1.100          | 0.36                  | 0.37  |
| LCHB0707-471K | 470.0            | 20        | 796kHz          | 2.0                  | 1.700          | 0.30                  | 0.30  |
| LCHB0707-681K | 680.0            | 20        | 796kHz          | 1.7                  | 2.300          | 0.25                  | 0.26  |
| LCHB0707-102K | 1000.0           | 70        | 252kHz          | 1.3                  | 4.300          | 0.20                  | 0.19  |
| LCHB0707-152K | 1500.0           | 50        | 252kHz          | 1.3                  | 5.000          | 0.17                  | 0.16  |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0806 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



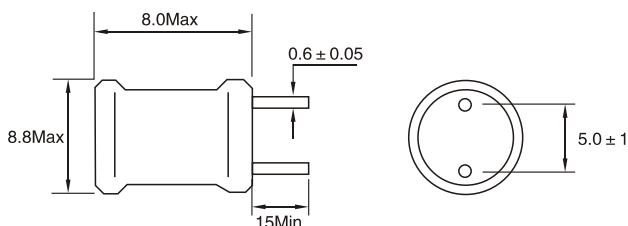
### ELECTRICAL CHARACTERISTICS:

| Part Number<br>LCHB0806- | Marking | Inductance<br>L( $\mu$ H)<br>@1.0KHz,0.1V | DCR( $\Omega$ ) | IDC(A) |
|--------------------------|---------|-------------------------------------------|-----------------|--------|
| 220K                     | 220     | 22                                        | 0.11            | 1.27   |
| 270K                     | 270     | 27                                        | 0.14            | 1.14   |
| 330K                     | 330     | 33                                        | 0.17            | 1.03   |
| 390K                     | 390     | 39                                        | 0.19            | 0.95   |
| 470K                     | 470     | 47                                        | 0.23            | 0.87   |
| 560K                     | 560     | 56                                        | 0.26            | 0.80   |
| 680K                     | 680     | 68                                        | 0.28            | 0.72   |
| 820K                     | 820     | 82                                        | 0.39            | 0.66   |
| 101K                     | 101     | 100                                       | 0.43            | 0.59   |
| 121K                     | 121     | 120                                       | 0.54            | 0.54   |
| 151K                     | 151     | 150                                       | 0.64            | 0.48   |
| 181K                     | 181     | 180                                       | 0.74            | 0.44   |
| 221K                     | 221     | 220                                       | 0.96            | 0.40   |
| 271K                     | 271     | 270                                       | 1.12            | 0.36   |
| 331K                     | 331     | 330                                       | 1.48            | 0.33   |
| 391K                     | 391     | 390                                       | 1.66            | 0.30   |
| 471K                     | 471     | 470                                       | 1.91            | 0.27   |
| 561K                     | 561     | 560                                       | 2.31            | 0.25   |
| 681K                     | 681     | 680                                       | 2.67            | 0.23   |
| 821K                     | 821     | 820                                       | 3.10            | 0.21   |
| 102K                     | 102     | 1000                                      | 4.45            | 0.19   |

Note:1. K=  $\pm$  10%,M=  $\pm$  20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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

RDC: QuadTech 1880 Milliohmmeter

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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0807 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



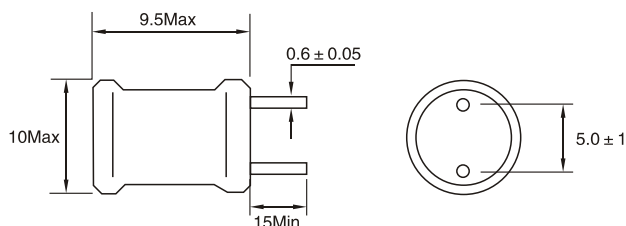
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L @ 1KHz<br>(uH) | Q<br>Min. | Q Test<br>Freq. | SRF<br>(MHz)<br>Typ. | DCR(Ω)<br>Max. | Rated Current (A)Max. |       |
|---------------|------------------|-----------|-----------------|----------------------|----------------|-----------------------|-------|
|               |                  |           |                 |                      |                | I sat                 | I rms |
| LCHB0807-2R2M | 2.2              | 10        | 7.96MHz         | 60.0                 | 0.011          | 5.50                  | 4.00  |
| LCHB0807-3R3M | 3.3              | 10        | 7.96MHz         | 38.0                 | 0.013          | 3.80                  | 3.40  |
| LCHB0807-4R7M | 4.7              | 10        | 7.96MHz         | 30.0                 | 0.017          | 3.70                  | 3.00  |
| LCHB0807-6R8M | 6.8              | 10        | 7.96MHz         | 24.0                 | 0.023          | 2.80                  | 2.60  |
| LCHB0807-100K | 10.0             | 20        | 2.52MHz         | 19.0                 | 0.031          | 2.50                  | 2.20  |
| LCHB0807-150K | 15.0             | 20        | 2.52MHz         | 15.0                 | 0.042          | 2.00                  | 1.90  |
| LCHB0807-220K | 22.0             | 20        | 2.52MHz         | 12.0                 | 0.070          | 1.60                  | 1.50  |
| LCHB0807-330K | 33.0             | 20        | 2.52MHz         | 10.0                 | 0.092          | 1.30                  | 1.20  |
| LCHB0807-470K | 47.0             | 20        | 2.52MHz         | 8.2                  | 0.130          | 1.10                  | 1.00  |
| LCHB0807-680K | 68.0             | 20        | 2.52MHz         | 6.6                  | 0.160          | 0.91                  | 0.97  |
| LCHB0807-101K | 100.0            | 15        | 796kHz          | 5.4                  | 0.230          | 0.75                  | 0.81  |
| LCHB0807-151K | 150.0            | 15        | 796kHz          | 4.3                  | 0.400          | 0.61                  | 0.61  |
| LCHB0807-221K | 220.0            | 15        | 796kHz          | 3.5                  | 0.530          | 0.50                  | 0.53  |
| LCHB0807-331K | 330.0            | 15        | 796kHz          | 2.8                  | 0.780          | 0.41                  | 0.44  |
| LCHB0807-471K | 470.0            | 10        | 796kHz          | 2.3                  | 1.000          | 0.34                  | 0.39  |
| LCHB0807-681K | 680.0            | 10        | 796kHz          | 1.9                  | 1.500          | 0.28                  | 0.32  |
| LCHB0807-102K | 1000.0           | 20        | 252kHz          | 1.5                  | 2.200          | 0.23                  | 0.26  |
| LCHB0807-152K | 1500.0           | 30        | 252kHz          | 1.2                  | 3.500          | 0.18                  | 0.21  |

Note: 1. K= ± 10%, M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0810 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



### ELECTRICAL CHARACTERISTICS:

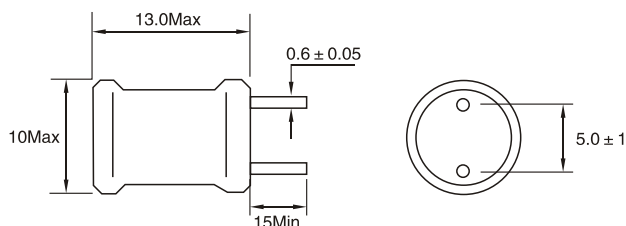
| Part No.      | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Typ. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---------------|-------------|--------|--------------|----------------|-------------|---------------------------|
| LCHB0810-3R3M | 3.3         | 30     | 7.96MHz      | 65.00          | 0.012       | 5000                      |
| LCHB0810-3R9K | 3.9         | 30     | 7.96MHz      | 55.00          | 0.014       | 4600                      |
| LCHB0810-4R7K | 4.7         | 30     | 7.96MHz      | 45.00          | 0.016       | 4300                      |
| LCHB0810-5R6K | 5.6         | 30     | 7.96MHz      | 38.00          | 0.020       | 3900                      |
| LCHB0810-6R8K | 6.8         | 30     | 7.96MHz      | 27.00          | 0.022       | 3700                      |
| LCHB0810-8R2K | 8.2         | 30     | 7.96MHz      | 21.00          | 0.024       | 3500                      |
| LCHB0810-100K | 10.0        | 50     | 2.52MHz      | 17.00          | 0.025       | 3200                      |
| LCHB0810-120K | 12.0        | 50     | 2.52MHz      | 15.00          | 0.027       | 3000                      |
| LCHB0810-150K | 15.0        | 50     | 2.52MHz      | 13.00          | 0.033       | 2800                      |
| LCHB0810-180K | 18.0        | 50     | 2.52MHz      | 12.00          | 0.039       | 2600                      |
| LCHB0810-220K | 22.0        | 50     | 2.52MHz      | 11.00          | 0.047       | 2400                      |
| LCHB0810-270K | 27.0        | 50     | 2.52MHz      | 10.00          | 0.052       | 2100                      |
| LCHB0810-330K | 33.0        | 50     | 2.52MHz      | 8.50           | 0.075       | 1900                      |
| LCHB0810-390K | 39.0        | 40     | 2.52MHz      | 7.70           | 0.082       | 1700                      |
| LCHB0810-470K | 47.0        | 40     | 2.52MHz      | 6.70           | 0.100       | 1500                      |
| LCHB0810-560K | 56.0        | 40     | 2.52MHz      | 6.40           | 0.150       | 1300                      |
| LCHB0810-680K | 68.0        | 30     | 2.52MHz      | 5.80           | 0.180       | 1200                      |
| LCHB0810-820K | 82.0        | 30     | 2.52MHz      | 5.20           | 0.200       | 1100                      |
| LCHB0810-101K | 100.0       | 30     | 796kHz       | 4.40           | 0.200       | 900                       |
| LCHB0810-121K | 120.0       | 30     | 796kHz       | 4.20           | 0.220       | 800                       |
| LCHB0810-151K | 150.0       | 30     | 796kHz       | 3.70           | 0.240       | 720                       |
| LCHB0810-181K | 180.0       | 30     | 796kHz       | 3.50           | 0.280       | 650                       |
| LCHB0810-221K | 220.0       | 20     | 796kHz       | 3.30           | 0.350       | 600                       |

| Part No.      | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Typ. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---------------|-------------|--------|--------------|----------------|-------------|---------------------------|
| LCHB0810-271K | 270.0       | 20     | 796kHz       | 2.90           | 0.400       | 550                       |
| LCHB0810-331K | 330.0       | 20     | 796kHz       | 2.60           | 0.470       | 500                       |
| LCHB0810-391K | 390.0       | 20     | 796kHz       | 2.40           | 0.680       | 460                       |
| LCHB0810-471K | 470.0       | 20     | 796kHz       | 2.20           | 0.800       | 420                       |
| LCHB0810-561K | 560.0       | 20     | 796kHz       | 2.00           | 1.000       | 380                       |
| LCHB0810-681K | 680.0       | 20     | 796kHz       | 1.80           | 1.200       | 350                       |
| LCHB0810-821K | 820.0       | 20     | 796kHz       | 1.70           | 1.500       | 310                       |
| LCHB0810-102K | 1000.0      | 40     | 252kHz       | 1.50           | 1.800       | 280                       |
| LCHB0810-122K | 1200.0      | 40     | 252kHz       | 1.40           | 2.000       | 250                       |
| LCHB0810-152K | 1500.0      | 40     | 252kHz       | 1.30           | 2.400       | 230                       |
| LCHB0810-182K | 1800.0      | 40     | 252kHz       | 1.10           | 2.800       | 210                       |
| LCHB0810-222K | 2200.0      | 40     | 252kHz       | 1.00           | 3.300       | 190                       |
| LCHB0810-272K | 2700.0      | 40     | 252kHz       | 0.88           | 5.000       | 170                       |
| LCHB0810-332K | 3300.0      | 40     | 252kHz       | 0.78           | 5.600       | 150                       |
| LCHB0810-392K | 3900.0      | 40     | 252kHz       | 0.72           | 6.200       | 140                       |
| LCHB0810-472K | 4700.0      | 40     | 252kHz       | 0.65           | 7.000       | 130                       |
| LCHB0810-562K | 5600.0      | 40     | 252kHz       | 0.58           | 9.100       | 120                       |
| LCHB0810-682K | 6800.0      | 40     | 252kHz       | 0.55           | 10.000      | 110                       |
| LCHB0810-822K | 8200.0      | 20     | 252kHz       | 0.50           | 15.000      | 100                       |
| LCHB0810-103K | 10000.0     | 20     | 79.6kHz      | 0.42           | 24.000      | 90                        |
| LCHB0810-473K | 47000.0     | 60     | 79.6kHz      | 0.20           | 80.000      | 40                        |
| LCHB0810-104K | 100000.0    | 20     | 79.6kHz      | 0.14           | 180.000     | 28                        |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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

RDC: QuadTech 1880 Milliohmometer

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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB0912 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



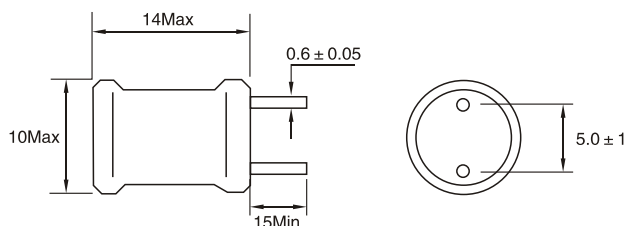
### ELECTRICAL CHARACTERISTICS:

| Part Number<br>LCHB0912- | Marking | Inductance<br>L( $\mu$ H)<br>@1.0KHz,0.1V | DCR( $\Omega$ ) | IDC(A) |
|--------------------------|---------|-------------------------------------------|-----------------|--------|
| 100K                     | 100     | 10                                        | 0.027           | 4.5    |
| 120K                     | 120     | 12                                        | 0.031           | 4.1    |
| 150K                     | 150     | 15                                        | 0.036           | 3.7    |
| 180K                     | 180     | 18                                        | 0.049           | 3.4    |
| 220K                     | 220     | 22                                        | 0.055           | 3.1    |
| 270K                     | 270     | 27                                        | 0.062           | 2.8    |
| 330K                     | 330     | 33                                        | 0.079           | 2.5    |
| 390K                     | 390     | 39                                        | 0.087           | 2.3    |
| 470K                     | 470     | 47                                        | 0.099           | 2.1    |
| 560K                     | 560     | 56                                        | 0.13            | 1.9    |
| 680K                     | 680     | 68                                        | 0.14            | 1.7    |
| 820K                     | 820     | 82                                        | 0.16            | 1.6    |
| 101K                     | 101     | 100                                       | 0.21            | 1.4    |
| 121K                     | 121     | 120                                       | 0.24            | 1.3    |
| 151K                     | 151     | 150                                       | 0.32            | 1.2    |
| 181K                     | 181     | 180                                       | 0.35            | 1.1    |
| 221K                     | 221     | 220                                       | 0.45            | 0.96   |
| 271K                     | 271     | 270                                       | 0.61            | 0.87   |
| 331K                     | 331     | 330                                       | 0.69            | 0.79   |
| 391K                     | 391     | 390                                       | 0.78            | 0.72   |
| 471K                     | 471     | 470                                       | 1.0             | 0.66   |
| 561K                     | 561     | 560                                       | 1.2             | 0.60   |
| 681K                     | 681     | 680                                       | 1.4             | 0.55   |
| 821K                     | 821     | 820                                       | 1.8             | 0.50   |
| 102K                     | 102     | 1000                                      | 2.1             | 0.45   |

Note:1. K=  $\pm$  10%,M=  $\pm$  20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB1010 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



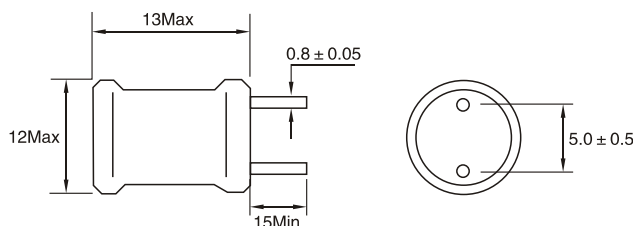
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L @ 1KHz<br>(uH) | Q<br>Min. | Q Test<br>Freq. | SRF<br>(MHz)<br>Typ. | DCR(Ω)<br>Max. | Rated Current (A)Max. |       |
|---------------|------------------|-----------|-----------------|----------------------|----------------|-----------------------|-------|
|               |                  |           |                 |                      |                | I sat                 | I rms |
| LCHB1010-3R3M | 3.3              | 10        | 7.96MHz         | 36                   | 0.010          | 8.8                   | 5.9   |
| LCHB1010-4R7M | 4.7              | 10        | 7.96MHz         | 28                   | 0.015          | 7.2                   | 4.8   |
| LCHB1010-6R8M | 6.8              | 10        | 7.96MHz         | 18                   | 0.016          | 6.1                   | 4.6   |
| LCHB1010-100M | 10               | 20        | 2.52MHz         | 16                   | 0.025          | 5.0                   | 3.7   |
| LCHB1010-150M | 15               | 20        | 2.52MHz         | 12                   | 0.029          | 4.2                   | 3.4   |
| LCHB1010-220K | 22               | 20        | 2.52MHz         | 9.5                  | 0.040          | 3.4                   | 2.9   |
| LCHB1010-330K | 33               | 30        | 2.52MHz         | 7.0                  | 0.062          | 2.8                   | 2.3   |
| LCHB1010-470K | 47               | 30        | 2.52MHz         | 5.8                  | 0.075          | 2.3                   | 2.1   |
| LCHB1010-680K | 68               | 20        | 2.52MHz         | 4.7                  | 0.130          | 1.9                   | 1.6   |
| LCHB1010-101K | 100              | 20        | 796kHz          | 3.8                  | 0.160          | 1.6                   | 1.4   |
| LCHB1010-151K | 150              | 20        | 796kHz          | 3.1                  | 0.260          | 1.3                   | 1.1   |
| LCHB1010-221K | 220              | 20        | 796kHz          | 2.5                  | 0.330          | 1.1                   | 1.0   |
| LCHB1010-331K | 330              | 20        | 796kHz          | 2.0                  | 0.520          | 0.88                  | 0.82  |
| LCHB1010-471K | 470              | 10        | 796kHz          | 1.6                  | 0.660          | 0.75                  | 0.72  |
| LCHB1010-681K | 680              | 10        | 796kHz          | 1.3                  | 1.100          | 0.61                  | 0.56  |
| LCHB1010-102K | 1000             | 20        | 252kHz          | 1.1                  | 1.400          | 0.51                  | 0.50  |
| LCHB1010-152K | 1500             | 30        | 252kHz          | 0.82                 | 2.400          | 0.43                  | 0.38  |
| LCHB1010-222K | 2200             | 20        | 252kHz          | 0.76                 | 3.200          | 0.35                  | 0.33  |
| LCHB1010-332K | 3300             | 20        | 252kHz          | 0.64                 | 4.900          | 0.28                  | 0.26  |
| LCHB1010-472K | 4700             | 20        | 252kHz          | 0.54                 | 7.600          | 0.24                  | 0.21  |
| LCHB1010-682K | 6800             | 20        | 252kHz          | 0.45                 | 9.800          | 0.20                  | 0.18  |
| LCHB1010-103K | 10000            | 20        | 79.6kHz         | 0.38                 | 18.000         | 0.17                  | 0.14  |
| LCHB1010-153K | 15000            | 50        | 79.6kHz         | 0.29                 | 24.000         | 0.13                  | 0.12  |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB1012 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



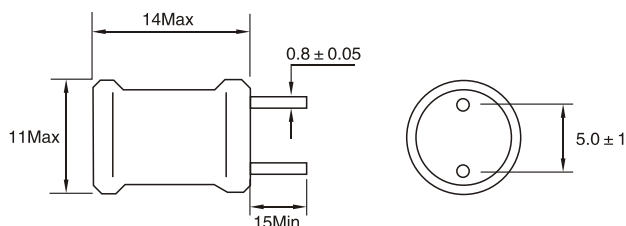
### ELECTRICAL CHARACTERISTICS:

| Part Number<br>LCHB1012- | Marking | Inductance<br>L( $\mu$ H)<br>@1.0KHz,0.1V | DCR( $\Omega$ ) | IDC(A) |
|--------------------------|---------|-------------------------------------------|-----------------|--------|
| 100K                     | 100     | 10                                        | 0.022           | 5.3    |
| 120K                     | 120     | 12                                        | 0.023           | 4.9    |
| 150K                     | 150     | 15                                        | 0.026           | 4.4    |
| 180K                     | 180     | 18                                        | 0.033           | 4.0    |
| 220K                     | 220     | 22                                        | 0.037           | 3.6    |
| 270K                     | 270     | 27                                        | 0.048           | 3.3    |
| 330K                     | 330     | 33                                        | 0.055           | 2.9    |
| 390K                     | 390     | 39                                        | 0.073           | 2.7    |
| 470K                     | 470     | 47                                        | 0.083           | 2.5    |
| 560K                     | 560     | 56                                        | 0.092           | 2.3    |
| 680K                     | 680     | 68                                        | 0.12            | 2.1    |
| 820K                     | 820     | 82                                        | 0.14            | 1.9    |
| 101K                     | 101     | 100                                       | 0.16            | 1.7    |
| 121K                     | 121     | 120                                       | 0.20            | 1.5    |
| 151K                     | 151     | 150                                       | 0.23            | 1.4    |
| 181K                     | 181     | 180                                       | 0.31            | 1.3    |
| 221K                     | 221     | 220                                       | 0.34            | 1.1    |
| 271K                     | 271     | 270                                       | 0.40            | 1.0    |
| 331K                     | 331     | 330                                       | 0.52            | 0.93   |
| 391K                     | 391     | 390                                       | 0.65            | 0.86   |
| 471K                     | 471     | 470                                       | 0.71            | 0.78   |
| 561K                     | 561     | 560                                       | 1.0             | 0.71   |
| 681K                     | 681     | 680                                       | 1.0             | 0.65   |
| 821K                     | 821     | 820                                       | 1.3             | 0.59   |
| 102K                     | 102     | 1000                                      | 1.7             | 0.53   |

Note:1. K=  $\pm$  10%,M=  $\pm$  20%

### PHYSICAL CHARACTERISTICS:

Dimmension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB1016 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



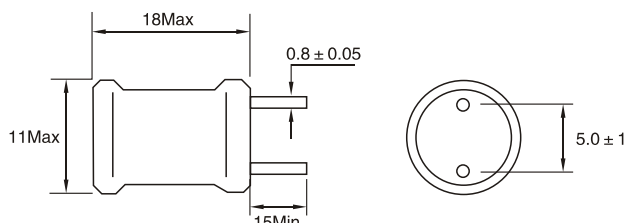
### ELECTRICAL CHARACTERISTICS:

| Part Number<br>LCHB1016- | Inductance<br>L (μH)<br>@ 1.0KHz, 0.1V | DCR (Ω) | IDC (A) | Part Number<br>LCHB1016- | Inductance<br>L (μH)<br>@ 1.0KHz, 0.1V | DCR (Ω) | IDC (A) |
|--------------------------|----------------------------------------|---------|---------|--------------------------|----------------------------------------|---------|---------|
| 100K                     | 10                                     | 0.031   | 5.0     | 122K                     | 1200                                   | 1.50    | 0.49    |
| 120K                     | 12                                     | 0.036   | 5.0     | 152K                     | 1500                                   | 1.70    | 0.49    |
| 150K                     | 15                                     | 0.040   | 5.0     | 182K                     | 1800                                   | 1.80    | 0.385   |
| 180K                     | 18                                     | 0.041   | 5.0     | 222K                     | 2200                                   | 2.40    | 0.385   |
| 220K                     | 22                                     | 0.043   | 5.0     | 272K                     | 2700                                   | 2.80    | 0.385   |
| 270K                     | 27                                     | 0.046   | 5.0     | 332K                     | 3300                                   | 3.70    | 0.300   |
| 330K                     | 33                                     | 0.051   | 3.6     | 392K                     | 3900                                   | 5.00    | 0.250   |
| 390K                     | 39                                     | 0.054   | 3.6     | 472K                     | 4700                                   | 5.60    | 0.250   |
| 470K                     | 47                                     | 0.063   | 3.6     | 562K                     | 5600                                   | 6.30    | 0.250   |
| 560K                     | 56                                     | 0.075   | 3.0     | 682K                     | 6800                                   | 8.40    | 0.190   |
| 680K                     | 68                                     | 0.078   | 3.0     | 822K                     | 8200                                   | 9.60    | 0.190   |
| 820K                     | 82                                     | 0.088   | 2.6     | 103K                     | 10000                                  | 10.50   | 0.190   |
| 101K                     | 100                                    | 0.108   | 2.0     | 123K                     | 12000                                  | 14.05   | 0.150   |
| 121K                     | 120                                    | 0.127   | 2.0     | 153K                     | 15000                                  | 20.5    | 0.120   |
| 151K                     | 150                                    | 0.162   | 1.6     | 183K                     | 18000                                  | 27.5    | 0.095   |
| 181K                     | 180                                    | 0.128   | 1.3     | 223K                     | 22000                                  | 31.0    | 0.095   |
| 221K                     | 220                                    | 0.252   | 1.3     | 273K                     | 27000                                  | 35.5    | 0.095   |
| 271K                     | 270                                    | 0.290   | 1.3     | 333K                     | 33000                                  | 40.0    | 0.095   |
| 331K                     | 330                                    | 0.394   | 1.0     | 393K                     | 39000                                  | 51.0    | 0.095   |
| 391K                     | 390                                    | 0.416   | 1.0     | 473K                     | 47000                                  | 56.0    | 0.095   |
| 471K                     | 470                                    | 0.568   | 0.8     |                          |                                        |         |         |
| 561K                     | 560                                    | 0.650   | 0.8     |                          |                                        |         |         |
| 681K                     | 680                                    | 0.740   | 0.8     |                          |                                        |         |         |
| 821K                     | 820                                    | 1.00    | 0.62    |                          |                                        |         |         |
| 102K                     | 1000                                   | 1.20    | 0.55    |                          |                                        |         |         |

Note: 1. K = ± 10%, M = ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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

RDC: QuadTech 1880 Milliohmmeter

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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB1018 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



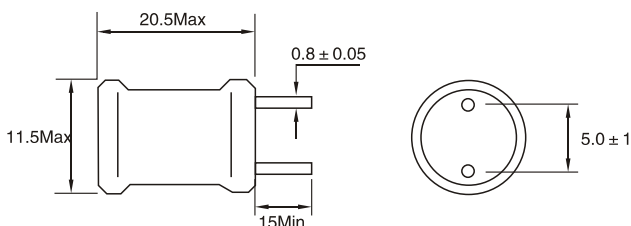
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L @ 1KHz<br>(uH) | DCR(Ω)<br>Max. | Rated Current (A)Max. |       |
|---------------|------------------|----------------|-----------------------|-------|
|               |                  |                | I sat                 | I rms |
| LCHB1018-4R7K | 4.7              | 0.008          | 10.00                 | 6.00  |
| LCHB1018-6R8K | 6.8              | 0.011          | 8.00                  | 5.50  |
| LCHB1018-100K | 10.0             | 0.017          | 7.00                  | 4.50  |
| LCHB1018-150K | 15.0             | 0.022          | 5.50                  | 4.00  |
| LCHB1018-220K | 22.0             | 0.026          | 4.50                  | 3.70  |
| LCHB1018-330K | 33.0             | 0.032          | 3.80                  | 3.30  |
| LCHB1018-470K | 47.0             | 0.035          | 3.20                  | 3.00  |
| LCHB1018-680K | 68.0             | 0.047          | 2.60                  | 2.60  |
| LCHB1018-101K | 100.0            | 0.090          | 2.20                  | 2.00  |
| LCHB1018-151K | 150.0            | 0.129          | 1.80                  | 1.60  |
| LCHB1018-221K | 220.0            | 0.162          | 1.50                  | 1.50  |
| LCHB1018-331K | 330.0            | 0.212          | 1.20                  | 1.20  |
| LCHB1018-471K | 470.0            | 0.380          | 1.00                  | 1.00  |
| LCHB1018-681K | 680.0            | 0.548          | 0.84                  | 0.84  |
| LCHB1018-102K | 1000.0           | 0.844          | 0.66                  | 0.66  |
| LCHB1018-152K | 1500.0           | 1.180          | 0.55                  | 0.55  |
| LCHB1018-222K | 2200             | 2.000          | 0.46                  | 0.44  |
| LCHB1018-332K | 3300             | 2.530          | 0.38                  | 0.38  |
| LCHB1018-472K | 4700             | 3.190          | 0.32                  | 0.32  |
| LCHB1018-682K | 6800             | 5.690          | 0.26                  | 0.25  |
| LCHB1018-103K | 10000            | 7.300          | 0.22                  | 0.22  |
| LCHB1018-153K | 15000            | 10.500         | 0.18                  | 0.18  |
| LCHB1018-223K | 22000            | 21.800         | 0.14                  | 0.13  |
| LCHB1018-333K | 33000            | 25.700         | 0.12                  | 0.12  |
| LCHB1018-473K | 47000            | 36.100         | 0.10                  | 0.10  |
| LCHB1018-683K | 68000            | 57.300         | 0.08                  | 0.08  |
| LCHB1018-104K | 100000           | 89.700         | 0.06                  | 0.06  |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB1213 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



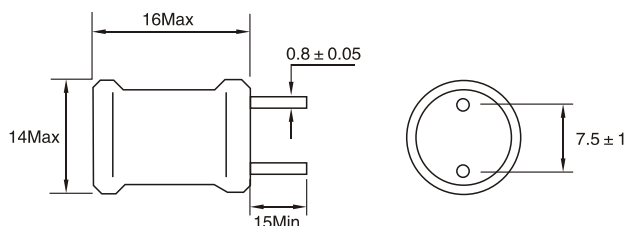
### ELECTRICAL CHARACTERISTICS:

| Part No.      | L @ 1KHz<br>(uH) | DCR(Ω)<br>Max. | Rated Current (A)Max. |       |
|---------------|------------------|----------------|-----------------------|-------|
|               |                  |                | I sat                 | I rms |
| LCHB1213-100M | 10               | 0.023          | 8.00                  | 5.10  |
| LCHB1213-150K | 15               | 0.028          | 6.50                  | 4.50  |
| LCHB1213-220K | 22               | 0.035          | 5.50                  | 4.20  |
| LCHB1213-330K | 33               | 0.043          | 4.50                  | 3.70  |
| LCHB1213-470K | 47               | 0.052          | 3.60                  | 3.40  |
| LCHB1213-680K | 68               | 0.068          | 3.10                  | 3.00  |
| LCHB1213-101K | 100              | 0.097          | 2.60                  | 2.50  |
| LCHB1213-151K | 150              | 0.140          | 2.10                  | 2.10  |
| LCHB1213-221K | 220              | 0.200          | 1.70                  | 1.70  |
| LCHB1213-331K | 330              | 0.300          | 1.40                  | 1.40  |
| LCHB1213-471K | 470              | 0.430          | 1.10                  | 1.10  |
| LCHB1213-681K | 680              | 0.610          | 0.95                  | 0.99  |
| LCHB1213-102K | 1000             | 1.000          | 0.78                  | 0.79  |
| LCHB1213-152K | 1500             | 0.300          | 0.64                  | 0.68  |
| LCHB1213-222K | 2200             | 2.000          | 0.53                  | 0.55  |
| LCHB1213-332K | 3300             | 3.100          | 0.43                  | 0.44  |
| LCHB1213-472K | 4700             | 4.400          | 0.36                  | 0.37  |
| LCHB1213-682K | 6800             | 6.500          | 0.30                  | 0.30  |
| LCHB1213-103K | 10000            | 10.000         | 0.24                  | 0.24  |

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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

RDC: QuadTech 1880 Milliohmmeter

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.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

## LCHB1415 SERIES

### FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

### APPLICATIONS:

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



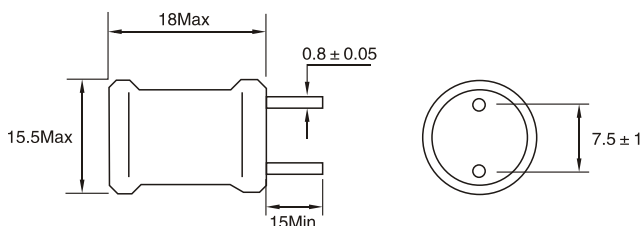
### ELECTRICAL CHARACTERISTICS:

| Part Number<br>LCHB1415- | Inductance<br>L (μH)<br>@ 1.0KHz, 0.1V | DCR (Ω) | IDC (A) | Part Number<br>LCHB1415- | Inductance<br>L (μH)<br>@ 1.0KHz, 0.1V | DCR (Ω) | IDC (A) |
|--------------------------|----------------------------------------|---------|---------|--------------------------|----------------------------------------|---------|---------|
| 100K                     | 10                                     | 0.015   | 5.0     | 122K                     | 1200                                   | 0.660   | 1.30    |
| 120K                     | 12                                     | 0.016   | 5.0     | 152K                     | 1500                                   | 0.780   | 1.0     |
| 150K                     | 15                                     | 0.017   | 5.0     | 182K                     | 1800                                   | 0.990   | 1.0     |
| 180K                     | 18                                     | 0.019   | 5.0     | 222K                     | 2200                                   | 1.20    | 0.80    |
| 220K                     | 22                                     | 0.021   | 5.0     | 272K                     | 2700                                   | 1.32    | 0.80    |
| 270K                     | 27                                     | 0.023   | 5.0     | 332K                     | 3300                                   | 1.80    | 0.62    |
| 330K                     | 33                                     | 0.027   | 4.0     | 392K                     | 3900                                   | 2.10    | 0.62    |
| 390K                     | 39                                     | 0.029   | 4.0     | 472K                     | 4700                                   | 2.70    | 0.49    |
| 470K                     | 47                                     | 0.031   | 4.0     | 562K                     | 5600                                   | 3.15    | 0.49    |
| 560K                     | 56                                     | 0.035   | 4.0     | 682K                     | 6800                                   | 3.60    | 0.49    |
| 680K                     | 68                                     | 0.041   | 4.0     | 822K                     | 8200                                   | 4.30    | 0.385   |
| 820K                     | 82                                     | 0.052   | 4.0     | 103K                     | 10000                                  | 5.15    | 0.385   |
| 101K                     | 100                                    | 0.056   | 4.0     | 123K                     | 12000                                  | 2.85    | 0.385   |
| 121K                     | 120                                    | 0.060   | 3.3     | 153K                     | 15000                                  | 8.30    | 0.30    |
| 151K                     | 150                                    | 0.078   | 3.3     | 183K                     | 18000                                  | 10.20   | 0.25    |
| 181K                     | 180                                    | 0.096   | 3.3     | 223K                     | 22000                                  | 11.70   | 0.25    |
| 221K                     | 220                                    | 0.147   | 2.6     | 273K                     | 27000                                  | 13.00   | 0.25    |
| 271K                     | 270                                    | 0.175   | 2.6     | 333K                     | 33000                                  | 18.40   | 0.19    |
| 331K                     | 330                                    | 0.192   | 2.0     | 393K                     | 39000                                  | 21.00   | 0.19    |
| 391K                     | 390                                    | 0.210   | 2.0     | 473K                     | 47000                                  | 27.00   | 0.15    |
| 471K                     | 470                                    | 0.240   | 2.0     |                          |                                        |         |         |
| 561K                     | 560                                    | 0.315   | 1.60    |                          |                                        |         |         |
| 681K                     | 680                                    | 0.360   | 1.60    |                          |                                        |         |         |
| 821K                     | 820                                    | 0.460   | 1.30    |                          |                                        |         |         |
| 102K                     | 1000                                   | 0.540   | 1.30    |                          |                                        |         |         |

Note: 1. K = ± 10%, M = ± 20%

### PHYSICAL CHARACTERISTICS:

Dimension: mm



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

RDC: QuadTech 1880 Milliohm meter

IDC Max: Lowers inductance by 10%

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

Shrink tube: Flame retardant UL type VW-1

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Note: All specifications subject to change without notice.