



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



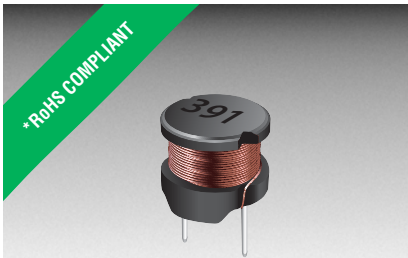
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





BOURNS®

Features

- Formerly J. W. Miller® model
- Current rating up to 2.9 A
- Inductance range: 10 μ H to 10,000 μ H
- RoHS compliant*

Applications

- DC/DC converters
- Power supplies
- Desktop notebooks
- Output chokes

RL875 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

| Part Number | Inductance (μ H) | Tol. | Q | Test Frequency | | SRF (MHz) Typ. | DCR (Ω) Max. | I dc (mA) |
|---------------|-----------------------|------------|----|----------------|---------|----------------|-----------------------|-----------|
| | | | | L | Q | | | |
| RL875-100M-RC | 10 | ± 20 % | 35 | 2.52 MHz | 2.52M | 25 | 0.05 | 2900 |
| RL875-120M-RC | 12 | ± 20 % | 35 | 2.52 MHz | 2.52M | 18 | 0.06 | 2500 |
| RL875-150K-RC | 15 | ± 10 % | 30 | 2.52 MHz | 2.52M | 17 | 0.07 | 2200 |
| RL875-180K-RC | 18 | ± 10 % | 30 | 2.52 MHz | 2.52M | 15 | 0.08 | 1900 |
| RL875-220K-RC | 22 | ± 10 % | 30 | 2.52 MHz | 2.52M | 14 | 0.09 | 1800 |
| RL875-270K-RC | 27 | ± 10 % | 30 | 2.52 MHz | 2.52M | 13 | 0.11 | 1700 |
| RL875-330K-RC | 33 | ± 10 % | 30 | 2.52 MHz | 2.52M | 12 | 0.13 | 1500 |
| RL875-390K-RC | 39 | ± 10 % | 30 | 2.52 MHz | 2.52M | 10 | 0.14 | 1300 |
| RL875-470K-RC | 47 | ± 10 % | 26 | 2.52 MHz | 2.52M | 10 | 0.15 | 1300 |
| RL875-560K-RC | 56 | ± 10 % | 26 | 2.52 MHz | 2.52M | 10 | 0.18 | 1200 |
| RL875-680K-RC | 68 | ± 10 % | 26 | 2.52 MHz | 2.52M | 9.0 | 0.20 | 1100 |
| RL875-820K-RC | 82 | ± 10 % | 20 | 2.52 MHz | 2.52M | 8.0 | 0.24 | 1000 |
| RL875-101K-RC | 100 | ± 10 % | 20 | 1.0 KHz | 0.796M | 7.0 | 0.28 | 890 |
| RL875-121K-RC | 120 | ± 10 % | 18 | 1.0 KHz | 0.796M | 6.5 | 0.36 | 810 |
| RL875-151K-RC | 150 | ± 10 % | 18 | 1.0 KHz | 0.796M | 5.5 | 0.42 | 720 |
| RL875-181K-RC | 180 | ± 10 % | 18 | 1.0 KHz | 0.796M | 5.5 | 0.57 | 660 |
| RL875-221K-RC | 220 | ± 10 % | 18 | 1.0 KHz | 0.796M | 5.0 | 0.63 | 570 |
| RL875-271K-RC | 270 | ± 10 % | 18 | 1.0 KHz | 0.796M | 4.5 | 0.88 | 510 |
| RL875-331K-RC | 330 | ± 10 % | 20 | 1.0 KHz | 0.796M | 4.5 | 1.05 | 460 |
| RL875-391K-RC | 390 | ± 10 % | 20 | 1.0 KHz | 0.796M | 3.5 | 1.17 | 440 |
| RL875-471K-RC | 470 | ± 10 % | 20 | 1.0 KHz | 0.796M | 3.0 | 1.34 | 410 |
| RL875-561K-RC | 560 | ± 10 % | 20 | 1.0 KHz | 0.796M | 3.0 | 1.72 | 360 |
| RL875-681K-RC | 680 | ± 10 % | 20 | 1.0 KHz | 0.796M | 2.5 | 1.96 | 330 |
| RL875-821K-RC | 820 | ± 10 % | 20 | 1.0 KHz | 0.796M | 2.5 | 2.56 | 300 |
| RL875-102K-RC | 1000 | ± 10 % | 35 | 1.0 KHz | 0.252M | 2.0 | 2.94 | 270 |
| RL875-122K-RC | 1200 | ± 10 % | 35 | 1.0 KHz | 0.252M | 2.0 | 4.04 | 240 |
| RL875-152K-RC | 1500 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.5 | 4.70 | 220 |
| RL875-182K-RC | 1800 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.5 | 5.05 | 200 |
| RL875-222K-RC | 2200 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.5 | 6.25 | 180 |
| RL875-272K-RC | 2700 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.5 | 8.72 | 160 |
| RL875-332K-RC | 3300 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.0 | 10.6 | 150 |
| RL875-392K-RC | 3900 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.0 | 14.2 | 140 |
| RL875-472K-RC | 4700 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.0 | 16.7 | 120 |
| RL875-562K-RC | 5600 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.0 | 18.7 | 110 |
| RL875-682K-RC | 6800 | ± 10 % | 35 | 1.0 KHz | 0.252M | 1.0 | 21.8 | 100 |
| RL875-822K-RC | 8200 | ± 10 % | 32 | 1.0 KHz | 0.252M | 0.50 | 28.7 | 93 |
| RL875-103K-RC | 10,000 | ± 10 % | 32 | 1.0 KHz | 0.0796M | 0.50 | 33.0 | 84 |

General Specifications

Rated Current..... Inductance drop 10 %, or temperature rise of 40 °C at I dc
 Operating Temperature-40 °C to +105 °C
 Storage Temperature-40 °C to +105 °C

Materials

Core Material.....Ferrite
 WireEnameled copper
 Terminal Coating.....Sn

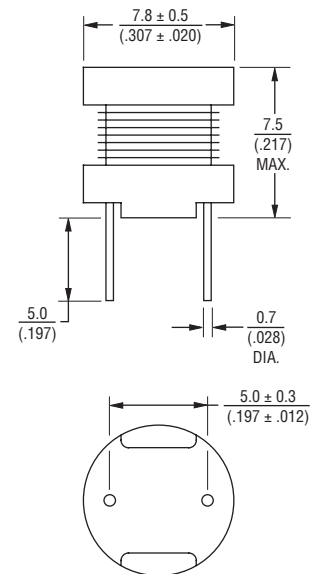
Marking

..... Value code on top of inductor

Packaging

Standard..... 100 pcs. per bag

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

How To Order

RL875 - 152K - RC

Model _____
 Value/Tolerance Code (see table) _____
 Compliance Code _____
 RC = RoHS Compliant

Example:

RL875-152K-RC = 1500 μ H, ± 10 %

Electrical Schematic



REV. 09/09

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications