



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!



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Features

- Formerly J. W. Miller® model
- Current rating up to 3.71 A
- Inductance range: 1 μ H to 1000 μ H
- RoHS compliant*



This series is currently available but not recommended for new designs. The **Model RLB0913 Series** is the recommended alternative.

RL822 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

Part Number	Inductance (μ H)	Tol.	Q	Test Frequency		SRF (MHz) Min.	DCR (Ω) Max.	I dc (A)
				L	Q			
RL822-1R0K-RC	1.0	± 10 %	20	1.0 KHz	7.96 MHz	150	0.013	3.71
RL822-1R5K-RC	1.5	± 10 %	20	1.0 KHz	7.96 MHz	130	0.016	3.32
RL822-2R2K-RC	2.2	± 10 %	20	1.0 KHz	7.96 MHz	100	0.021	3.15
RL822-3R3K-RC	3.3	± 10 %	20	1.0 KHz	7.96 MHz	79	0.025	2.66
RL822-4R7K-RC	4.7	± 10 %	20	1.0 KHz	7.96 MHz	51	0.030	2.27
RL822-6R8K-RC	6.8	± 10 %	20	1.0 KHz	7.96 MHz	29	0.035	2.10
RL822-100K-RC	10	± 10 %	50	1.0 KHz	2.52 MHz	14	0.045	1.96
RL822-120K-RC	12	± 10 %	50	1.0 KHz	2.52 MHz	13	0.050	1.82
RL822-150K-RC	15	± 10 %	40	1.0 KHz	2.52 MHz	12	0.058	1.75
RL822-180K-RC	18	± 10 %	40	1.0 KHz	2.52 MHz	11	0.061	1.54
RL822-220K-RC	22	± 10 %	40	1.0 KHz	2.52 MHz	9.2	0.070	1.29
RL822-270K-RC	27	± 10 %	30	1.0 KHz	2.52 MHz	8.5	0.080	1.22
RL822-330K-RC	33	± 10 %	30	1.0 KHz	2.52 MHz	7.8	0.090	1.17
RL822-390K-RC	39	± 10 %	30	1.0 KHz	2.52 MHz	6.9	0.10	1.14
RL822-470K-RC	47	± 10 %	30	1.0 KHz	2.52 MHz	6.5	0.17	0.79
RL822-560K-RC	56	± 10 %	30	1.0 KHz	2.52 MHz	5.4	0.20	0.76
RL822-680K-RC	68	± 10 %	30	1.0 KHz	2.52 MHz	4.9	0.22	0.70
RL822-820K-RC	82	± 10 %	30	1.0 KHz	2.52 MHz	4.1	0.25	0.67
RL822-101K-RC	100	± 10 %	20	1.0 KHz	796 KHz	3.7	0.28	0.58
RL822-121K-RC	120	± 10 %	20	1.0 KHz	796 KHz	3.4	0.32	0.56
RL822-151K-RC	150	± 10 %	20	1.0 KHz	796 KHz	3.2	0.54	0.42
RL822-181K-RC	180	± 10 %	20	1.0 KHz	796 KHz	2.8	0.60	0.40
RL822-221K-RC	220	± 10 %	20	1.0 KHz	796 KHz	2.7	0.68	0.38
RL822-271K-RC	270	± 10 %	20	1.0 KHz	796 KHz	2.4	0.80	0.35
RL822-331K-RC	330	± 10 %	20	1.0 KHz	796 KHz	2.3	0.90	0.33
RL822-391K-RC	390	± 10 %	20	1.0 KHz	796 KHz	2.1	1.20	0.28
RL822-471K-RC	470	± 10 %	20	1.0 KHz	796 KHz	1.9	1.37	0.25
RL822-561K-RC	560	± 10 %	20	1.0 KHz	796 KHz	1.8	1.53	0.23
RL822-681K-RC	680	± 10 %	20	1.0 KHz	796 KHz	1.6	2.00	0.21
RL822-821K-RC	820	± 10 %	20	1.0 KHz	796 KHz	1.5	2.70	0.18
RL822-102K-RC	1000	± 10 %	50	1.0 KHz	252 KHz	1.3	2.96	0.16

General Specifications

Rated Current..... Inductance drop 10 %
 Operating Temperature-55 °C to +105 °C
 Storage Temperature-55 °C to +105 °C

Materials

Core Material..... Ferrite
 Wire Enameled copper
 Terminal Coating..... Sn

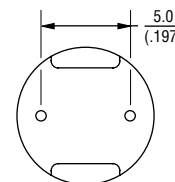
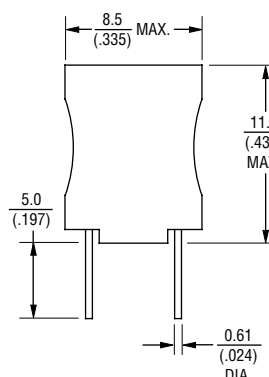
Marking

..... Value code on side of inductor

Packaging

Standard..... 100 pcs. per bag

Product Dimensions



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

How To Order

RL822 - 102K - RC

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

Example:

RL822-102K-RC = 1000 μ H, ± 10 %

Electrical Schematic

