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

Features

- Formerly J.W. Miller® model
- Current rating up to 10 A
- Inductance range: 1 µH to 100,000 µH
- RoHS compliant*

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

RL622 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

Part Number	Inductance (µH)	Tol.	Q (Min.)	Test Frequency		SRF (MHz) Typ.	DCR (Ω) Max.	I dc (A)
				L	Q			
RL622-1R0K-RC	1.0	±10 %	20	7.96 MHz	7.96 MHz	150	0.013	10
RL622-1R5K-RC	1.5	±10 %	20	7.96 MHz	7.96 MHz	130	0.016	8.5
RL622-2R2K-RC	2.2	±10 %	20	7.96 MHz	7.96 MHz	100	0.021	6.5
RL622-3R3K-RC	3.3	±10 %	20	7.96 MHz	7.96 MHz	79	0.025	5.5
RL622-4R7K-RC	4.7	±10 %	20	7.96 MHz	7.96 MHz	51	0.030	4.3
RL622-6R8K-RC	6.8	±10 %	20	7.96 MHz	7.96 MHz	29	0.035	3.7
RL622-100K-RC	10	±10 %	50	2.52 MHz	2.52 MHz	14	0.045	3.0
RL622-120K-RC	12	±10 %	50	2.52 MHz	2.52 MHz	13	0.050	2.7
RL622-150K-RC	15	±10 %	40	2.52 MHz	2.52 MHz	12	0.056	2.3
RL622-180K-RC	18	±10 %	40	2.52 MHz	2.52 MHz	11	0.061	2.2
RL622-220K-RC	22	±10 %	40	2.52 MHz	2.52 MHz	9.2	0.070	2.0
RL622-270K-RC	27	±10 %	30	2.52 MHz	2.52 MHz	8.5	0.080	1.7
RL622-330K-RC	33	±10 %	30	2.52 MHz	2.52 MHz	7.8	0.090	1.6
RL622-390K-RC	39	±10 %	30	2.52 MHz	2.52 MHz	6.9	0.10	1.5
RL622-470K-RC	47	±10 %	30	2.52 MHz	2.52 MHz	6.5	0.16	1.4
RL622-560K-RC	56	±10 %	30	2.52 MHz	2.52 MHz	5.4	0.18	1.3
RL622-680K-RC	68	±10 %	30	2.52 MHz	2.52 MHz	4.9	0.21	1.2
RL622-820K-RC	82	±10 %	30	2.52 MHz	2.52 MHz	4.1	0.23	1.1
RL622-101K-RC	100	±10 %	20	796 KHz	796 KHz	3.7	0.28	0.91
RL622-121K-RC	120	±10 %	20	796 KHz	796 KHz	3.4	0.32	0.84
RL622-151K-RC	150	±10 %	20	796 KHz	796 KHz	3.2	0.37	0.75
RL622-181K-RC	180	±10 %	20	796 KHz	796 KHz	2.8	0.58	0.69
RL622-221K-RC	220	±10 %	20	796 KHz	796 KHz	2.7	0.65	0.64
RL622-271K-RC	270	±10 %	20	796 KHz	796 KHz	2.4	0.75	0.57
RL622-331K-RC	330	±10 %	20	796 KHz	796 KHz	2.3	0.85	0.54
RL622-391K-RC	390	±10 %	20	796 KHz	796 KHz	2.1	1.0	0.48
RL622-471K-RC	470	±10 %	20	796 KHz	796 KHz	1.9	1.1	0.46
RL622-561K-RC	560	±10 %	20	796 KHz	796 KHz	1.8	1.4	0.41
RL622-681K-RC	680	±10 %	20	796 KHz	796 KHz	1.6	1.6	0.38
RL622-821K-RC	820	±10 %	20	796 KHz	796 KHz	1.5	1.8	0.38
RL622-102K-RC	1000	±10 %	50	252 KHz	252 KHz	1.3	2.9	0.29
RL622-122K-RC	1200	±10 %	50	252 KHz	252 KHz	1.1	4.0	0.13
RL622-152K-RC	1500	±10 %	20	252 KHz	252 KHz	1.0	6.1	0.08
RL622-182K-RC	1800	±10 %	20	252 KHz	252 KHz	1.0	6.4	0.08
RL622-222K-RC	2200	±10 %	20	252 KHz	252 KHz	0.9	6.8	0.08
RL622-272K-RC	2700	±10 %	20	252 KHz	252 KHz	0.9	7.7	0.08
RL622-332K-RC	3300	±10 %	20	252 KHz	252 KHz	0.7	9.0	0.08
RL622-392K-RC	3900	±10 %	20	252 KHz	252 KHz	0.6	14	0.08
RL622-472K-RC	4700	±10 %	20	252 KHz	252 KHz	0.5	16	0.05
RL622-562K-RC	5600	±10 %	20	252 KHz	252 KHz	0.4	18	0.05
RL622-682K-RC	6800	±10 %	20	252 KHz	252 KHz	0.4	19	0.05
RL622-822K-RC	8200	±10 %	20	252 KHz	252 KHz	0.3	21	0.05
RL622-103K-RC	10,000	±10 %	40	79.6 KHz	79.6 KHz	0.3	25	0.05
RL622-123K-RC	12,000	±10 %	40	79.6 KHz	79.6 KHz	0.3	33	0.04
RL622-153K-RC	15,000	±10 %	40	79.6 KHz	79.6 KHz	0.2	37	0.04
RL622-183K-RC	18,000	±10 %	30	79.6 KHz	79.6 KHz	0.2	40	0.04
RL622-223K-RC	22,000	±10 %	30	79.6 KHz	79.6 KHz	0.1	56	0.03
RL622-273K-RC	27,000	±10 %	30	79.6 KHz	79.6 KHz	0.1	62	0.03

~ Continued on page 2 ~

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

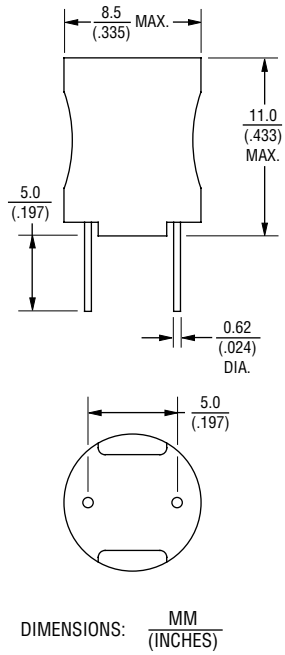
Marking

.....Value code on side of inductor

Packaging

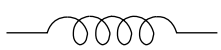
Standard.....100 pcs. per bag

Product Dimensions



DIMENSIONS: MM (INCHES)

Electrical Schematic



*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.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Applications

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

RL622 Series - Radial Lead RF Choke

BOURNS®

Electrical Specifications (@ 25 °C) - Continued

Part Number	Inductance (µH)	Tol.	Q (Min.)	Test Frequency		SRF (MHz) Typ.	DCR (Ω) Max.	I dc (A)
				L	Q			
RL622-333K-RC	33,000	±10 %	30	79.6 KHz	79.6 KHz	0.1	70	0.03
RL622-393K-RC	39,000	±10 %	30	79.6 KHz	79.6 KHz	0.1	80	0.03
RL622-473K-RC	47,000	±10 %	20	79.6 KHz	79.6 KHz	0.1	99	0.03
RL622-563K-RC	56,000	±10 %	20	79.6 KHz	79.6 KHz	0.1	135	0.02
RL622-683K-RC	68,000	±10 %	20	79.6 KHz	79.6 KHz	0.1	150	0.02
RL622-823K-RC	82,000	±10 %	20	79.6 KHz	79.6 KHz	0.1	212	0.02
RL622-104K-RC	100,000	±10 %	20	25.2 KHz	25.2 KHz	0.1	235	0.02

How To Order

RL622 - 102K - RC

Model

Value/Tolerance Code (see table)

Compliance Code
RC = RoHS Compliant

Example:
RL622-102K-RC = 1000 µH, ±10 %