



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 2.6 A
- Inductance range: 10  $\mu$ H to 47,000  $\mu$ H
- RoHS compliant\*

## Applications

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

# RL895 Series - Radial Lead RF Choke

### Electrical Specifications (@ 25 °C)

Part Number	Inductance ( $\mu$ H)	Tol.	Q (Min.)	Test Frequency		SRF (MHz) Typ.	DCR ( $\Omega$ ) Max.	I dc (mA)
				L	Q			
RL895-100M-RC	10	$\pm 20\%$	40	2.52 MHz	2.52 MHz	14	0.04	2600
RL895-120M-RC	12	$\pm 20\%$	40	2.52 MHz	2.52 MHz	13	0.04	2600
RL895-150K-RC	15	$\pm 10\%$	40	2.52 MHz	2.52 MHz	11	0.05	2100
RL895-180K-RC	18	$\pm 10\%$	40	2.52 MHz	2.52 MHz	10	0.05	2000
RL895-220K-RC	22	$\pm 10\%$	40	2.52 MHz	2.52 MHz	9.0	0.06	1700
RL895-270K-RC	27	$\pm 10\%$	40	2.52 MHz	2.52 MHz	8.0	0.06	1600
RL895-330K-RC	33	$\pm 10\%$	40	2.52 MHz	2.52 MHz	7.0	0.07	1400
RL895-390K-RC	39	$\pm 10\%$	40	2.52 MHz	2.52 MHz	6.5	0.08	1400
RL895-470K-RC	47	$\pm 10\%$	40	2.52 MHz	2.52 MHz	6.0	0.10	1300
RL895-560K-RC	56	$\pm 10\%$	30	2.52 MHz	2.52 MHz	5.5	0.11	1200
RL895-680K-RC	68	$\pm 10\%$	30	2.52 MHz	2.52 MHz	5.0	0.14	1100
RL895-820K-RC	82	$\pm 10\%$	30	2.52 MHz	2.52 MHz	4.5	0.16	1000
RL895-101K-RC	100	$\pm 10\%$	25	1.0 KHz	796 KHz	4.0	0.19	900
RL895-121K-RC	120	$\pm 10\%$	25	1.0 KHz	796 KHz	3.8	0.22	820
RL895-151K-RC	150	$\pm 10\%$	25	1.0 KHz	796 KHz	3.5	0.27	740
RL895-181K-RC	180	$\pm 10\%$	25	1.0 KHz	796 KHz	3.0	0.31	710
RL895-221K-RC	220	$\pm 10\%$	25	1.0 KHz	796 KHz	2.8	0.38	640
RL895-271K-RC	270	$\pm 10\%$	25	1.0 KHz	796 KHz	2.4	0.53	570
RL895-331K-RC	330	$\pm 10\%$	20	1.0 KHz	796 KHz	2.2	0.61	510
RL895-391K-RC	390	$\pm 10\%$	20	1.0 KHz	796 KHz	2.1	0.69	480
RL895-471K-RC	470	$\pm 10\%$	15	1.0 KHz	796 KHz	2.0	0.89	430
RL895-561K-RC	560	$\pm 10\%$	15	1.0 KHz	796 KHz	1.8	1.01	400
RL895-681K-RC	680	$\pm 10\%$	15	1.0 KHz	796 KHz	1.5	1.18	350
RL895-821K-RC	820	$\pm 10\%$	15	1.0 KHz	796 KHz	1.4	1.57	320
RL895-102K-RC	1000	$\pm 10\%$	40	1.0 KHz	252 KHz	1.3	1.84	300
RL895-122K-RC	1200	$\pm 10\%$	40	1.0 KHz	252 KHz	1.2	2.10	270
RL895-152K-RC	1500	$\pm 10\%$	45	1.0 KHz	252 KHz	1.0	2.80	230
RL895-182K-RC	1800	$\pm 10\%$	45	1.0 KHz	252 KHz	0.90	3.21	210
RL895-222K-RC	2200	$\pm 10\%$	45	1.0 KHz	252 KHz	0.80	4.21	190
RL895-272K-RC	2700	$\pm 10\%$	45	1.0 KHz	252 KHz	0.78	4.94	170
RL895-332K-RC	3300	$\pm 10\%$	45	1.0 KHz	252 KHz	0.70	6.16	150
RL895-392K-RC	3900	$\pm 10\%$	45	1.0 KHz	252 KHz	0.65	6.84	140
RL895-472K-RC	4700	$\pm 10\%$	45	1.0 KHz	252 KHz	0.60	7.89	130
RL895-562K-RC	5600	$\pm 10\%$	50	1.0 KHz	252 KHz	0.55	11.5	120
RL895-682K-RC	6800	$\pm 10\%$	50	1.0 KHz	252 KHz	0.48	13.2	110
RL895-822K-RC	8200	$\pm 10\%$	50	1.0 KHz	252 KHz	0.45	15.3	100
RL895-103K-RC	10,000	$\pm 10\%$	80	1.0 KHz	79.6 KHz	0.40	22.0	89
RL895-123K-RC	12,000	$\pm 10\%$	80	1.0 KHz	79.6 KHz	0.39	25.0	73
RL895-153K-RC	15,000	$\pm 10\%$	80	1.0 KHz	79.6 KHz	0.33	29.1	68
RL895-183K-RC	18,000	$\pm 10\%$	80	1.0 KHz	79.6 KHz	0.29	38.9	66
RL895-223K-RC	22,000	$\pm 10\%$	70	1.0 KHz	79.6 KHz	0.27	44.9	59
RL895-273K-RC	27,000	$\pm 10\%$	70	1.0 KHz	79.6 KHz	0.24	55.2	52
RL895-333K-RC	33,000	$\pm 10\%$	70	1.0 KHz	79.6 KHz	0.21	64.2	48
RL895-393K-RC	39,000	$\pm 10\%$	60	1.0 KHz	79.6 KHz	0.20	74.2	42
RL895-473K-RC	47,000	$\pm 10\%$	60	1.0 KHz	79.6 KHz	0.17	96.4	38

### Electrical Schematic



### General Specifications

Rated Current..... Inductance drop 10 %,  
 Operating Temperature  
 .....-30 °C to +100 °C  
 Storage Temperature  
 .....-30 °C to +100 °C

### Materials

Core Material..... Ferrite  
 Wire ..... Enameled copper  
 Terminal Coating..... Sn/Ag/Cu alloy

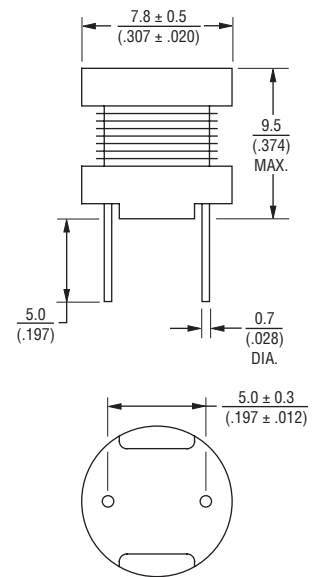
### Marking

..... Value code on top of inductor

### Packaging

Standard..... 100 pcs. per bag

### Product Dimensions



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

### How To Order

**RL895 - 102K - RC**

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

Example:  
 RL895-102K-RC = 1000  $\mu$ H,  $\pm 10\%$