



**BOURNS®**

### Features

- Formerly J. W. Miller® model
- Current rating up to 2.2 A
- Inductance range: 10  $\mu\text{H}$  to 3900  $\mu\text{H}$
- RoHS compliant\*

### Applications

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

## RL824 Series - Radial Lead RF Choke

### Electrical Specifications (@ 25 °C)

Part Number	Inductance ( $\mu\text{H}$ )	Tol.	Q	Test Frequency		SRF (MHz) Min.	DCR ( $\Omega$ ) Max.	I dc (A)
				L (KHz)	Q (MHz)			
RL824-100K-RC	10	$\pm 10\%$	135	1.0	2.5	44	0.052	2.20
RL824-120K-RC	12	$\pm 10\%$	135	1.0	2.5	33	0.059	2.00
RL824-150K-RC	15	$\pm 10\%$	135	1.0	2.5	25	0.065	1.93
RL824-180K-RC	18	$\pm 10\%$	135	1.0	2.5	18	0.071	1.77
RL824-220K-RC	22	$\pm 10\%$	135	1.0	2.5	12	0.076	1.72
RL824-270K-RC	27	$\pm 10\%$	90	1.0	2.5	8.3	0.082	1.56
RL824-330K-RC	33	$\pm 10\%$	90	1.0	2.5	5.9	0.086	1.49
RL824-390K-RC	39	$\pm 10\%$	90	1.0	2.5	4.9	0.10	1.40
RL824-470K-RC	47	$\pm 10\%$	58	1.0	2.5	4.1	0.11	1.29
RL824-560K-RC	56	$\pm 10\%$	58	1.0	2.5	4.0	0.12	1.25
RL824-680K-RC	68	$\pm 10\%$	58	1.0	2.5	3.9	0.13	1.24
RL824-820K-RC	82	$\pm 10\%$	58	1.0	2.5	3.6	0.14	1.04
RL824-101K-RC	100	$\pm 10\%$	58	1.0	0.79	2.8	0.18	1.02
RL824-121K-RC	120	$\pm 10\%$	58	1.0	0.79	2.6	0.19	0.94
RL824-151K-RC	150	$\pm 10\%$	58	1.0	0.79	2.2	0.22	0.92
RL824-181K-RC	180	$\pm 10\%$	58	1.0	0.79	2.1	0.25	0.85
RL824-221K-RC	220	$\pm 10\%$	35	1.0	0.79	1.9	0.28	0.82
RL824-271K-RC	270	$\pm 10\%$	35	1.0	0.79	1.6	0.48	0.60
RL824-331K-RC	330	$\pm 10\%$	35	1.0	0.79	1.5	0.50	0.56
RL824-391K-RC	390	$\pm 10\%$	35	1.0	0.79	1.4	0.56	0.52
RL824-471K-RC	470	$\pm 10\%$	35	1.0	0.79	1.3	0.62	0.48
RL824-561K-RC	560	$\pm 10\%$	26	1.0	0.79	1.2	0.69	0.45
RL824-681K-RC	680	$\pm 10\%$	26	1.0	0.79	1.1	0.79	0.44
RL824-821K-RC	820	$\pm 10\%$	26	1.0	0.79	1.0	0.86	0.40
RL824-102K-RC	1000	$\pm 10\%$	26	1.0	0.25	0.87	1.60	0.31
RL824-122K-RC	1200	$\pm 10\%$	45	1.0	0.25	0.83	1.80	0.28
RL824-152K-RC	1500	$\pm 10\%$	45	1.0	0.25	0.77	2.10	0.27
RL824-182K-RC	1800	$\pm 10\%$	45	1.0	0.25	0.71	2.30	0.24
RL824-222K-RC	2200	$\pm 10\%$	35	1.0	0.25	0.66	2.80	0.24
RL824-272K-RC	2700	$\pm 10\%$	35	1.0	0.25	0.61	3.35	0.19
RL824-332K-RC	3300	$\pm 10\%$	35	1.0	0.25	0.52	4.00	0.18
RL824-392K-RC	3900	$\pm 10\%$	35	1.0	0.25	0.48	4.50	0.18

### 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

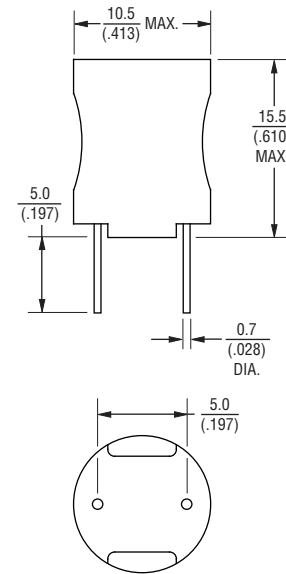
### Marking

..... Value code on side of inductor

### Packaging

Standard..... 100 pcs. per bag

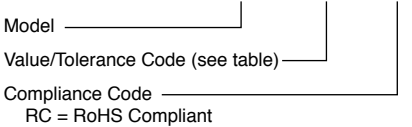
### Product Dimensions



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

### How To Order

**RL824 - 152K - RC**



Example:  
 RL824-152K-RC = 1500  $\mu\text{H}$ ,  $\pm 10\%$

### Electrical Schematic



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

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