



BOURNS®

Features

- Formerly J. W. Miller® model
- Current rating up to 2.2 A
- Inductance range: 10 μH to 3900 μH
- 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 (μH)	Tol.	Q	Test Frequency		SRF (MHz) Min.	DCR (Ω) 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
 WireEnamelled copper
 Terminal Coating.....Sn

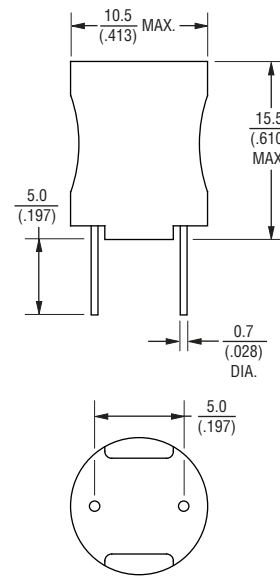
Marking

..... 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

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

Example:
 RL824-152K-RC = 1500 μH , $\pm 10\%$

Electrical Schematic



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

* 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. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

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