



Features

- Formerly J.W. Miller® model
- Current rating up to 2.2 A
- Inductance range: 10 μ H to 3900 μ 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 (μ H)	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

How To Order

RL824 - 152K - RC

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

Example:

RL824-152K-RC = 1500 μ H, $\pm 10\%$

Electrical Schematic



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

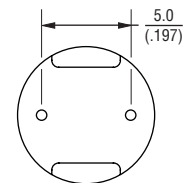
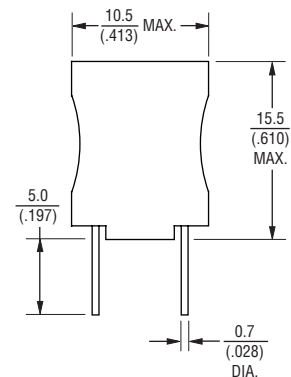
Marking

..... Value code on side of inductor

Packaging

Standard..... 100 pcs. per bag

Product Dimensions



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[RL824-102K-RC](#) [RL824-150K-RC](#) [RL824-152K-RC](#) [RL824-222K-RC](#) [RL824-331K-RC](#) [RL824-391K-RC](#) [RL824-681K-RC](#) [RL824-121K-RC](#) [RL824-151K-RC](#) [RL824-101K-RC](#) [RL824-271K-RC](#) [RL824-122K-RC](#) [RL824-470K-RC](#) [RL824-221K-RC](#) [RL824-471K-RC](#) [RL824-332K-RC](#) [RL824-680K-RC](#) [RL824-821K-RC](#) [RL824-100K-RC](#) [RL824-330K-RC](#) [RL824-272K-RC](#) [RL824-182K-RC](#) [RL824-220K-RC](#)