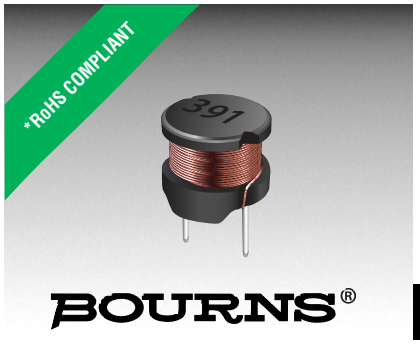


BOURNS®

Features

- Formerly J.W. Miller® model
- Current rating up to 2.9 A
- Inductance range: 10 µH to 10,000 µH
- RoHS compliant*

Applications

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

This series is obsolete and not recommended for new designs.

RL875 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

Part Number	Inductance (µH)	Tol.	Q	Test Frequency		SRF (MHz) Typ.	DCR (Ω) Max.	I dc (mA)
				L	Q			
RL875-100M-RC	10	±20 %	35	2.52 MHz	2.52M	25	0.05	2900
RL875-120M-RC	12	±20 %	35	2.52 MHz	2.52M	18	0.06	2500
RL875-150K-RC	15	±10 %	30	2.52 MHz	2.52M	17	0.07	2200
RL875-180K-RC	18	±10 %	30	2.52 MHz	2.52M	15	0.08	1900
RL875-220K-RC	22	±10 %	30	2.52 MHz	2.52M	14	0.09	1800
RL875-270K-RC	27	±10 %	30	2.52 MHz	2.52M	13	0.11	1700
RL875-330K-RC	33	±10 %	30	2.52 MHz	2.52M	12	0.13	1500
RL875-390K-RC	39	±10 %	30	2.52 MHz	2.52M	10	0.14	1300
RL875-470K-RC	47	±10 %	26	2.52 MHz	2.52M	10	0.15	1300
RL875-560K-RC	56	±10 %	26	2.52 MHz	2.52M	10	0.18	1200
RL875-680K-RC	68	±10 %	26	2.52 MHz	2.52M	9.0	0.20	1100
RL875-820K-RC	82	±10 %	20	2.52 MHz	2.52M	8.0	0.24	1000
RL875-101K-RC	100	±10 %	20	1.0 KHz	0.796M	7.0	0.28	890
RL875-121K-RC	120	±10 %	18	1.0 KHz	0.796M	6.5	0.36	810
RL875-151K-RC	150	±10 %	18	1.0 KHz	0.796M	5.5	0.42	720
RL875-181K-RC	180	±10 %	18	1.0 KHz	0.796M	5.5	0.57	660
RL875-221K-RC	220	±10 %	18	1.0 KHz	0.796M	5.0	0.63	570
RL875-271K-RC	270	±10 %	18	1.0 KHz	0.796M	4.5	0.88	510
RL875-331K-RC	330	±10 %	20	1.0 KHz	0.796M	4.5	1.05	460
RL875-391K-RC	390	±10 %	20	1.0 KHz	0.796M	3.5	1.17	440
RL875-471K-RC	470	±10 %	20	1.0 KHz	0.796M	3.0	1.34	410
RL875-561K-RC	560	±10 %	20	1.0 KHz	0.796M	3.0	1.72	360
RL875-681K-RC	680	±10 %	20	1.0 KHz	0.796M	2.5	1.96	330
RL875-821K-RC	820	±10 %	20	1.0 KHz	0.796M	2.5	2.56	300
RL875-102K-RC	1000	±10 %	35	1.0 KHz	0.252M	2.0	2.94	270
RL875-122K-RC	1200	±10 %	35	1.0 KHz	0.252M	2.0	4.04	240
RL875-152K-RC	1500	±10 %	35	1.0 KHz	0.252M	1.5	4.70	220
RL875-182K-RC	1800	±10 %	35	1.0 KHz	0.252M	1.5	5.05	200
RL875-222K-RC	2200	±10 %	35	1.0 KHz	0.252M	1.5	6.25	180
RL875-272K-RC	2700	±10 %	35	1.0 KHz	0.252M	1.5	8.72	160
RL875-332K-RC	3300	±10 %	35	1.0 KHz	0.252M	1.0	10.6	150
RL875-392K-RC	3900	±10 %	35	1.0 KHz	0.252M	1.0	14.2	140
RL875-472K-RC	4700	±10 %	35	1.0 KHz	0.252M	1.0	16.7	120
RL875-562K-RC	5600	±10 %	35	1.0 KHz	0.252M	1.0	18.7	110
RL875-682K-RC	6800	±10 %	35	1.0 KHz	0.252M	1.0	21.8	100
RL875-822K-RC	8200	±10 %	32	1.0 KHz	0.252M	0.50	28.7	93
RL875-103K-RC	10,000	±10 %	32	1.0 KHz	0.0796M	0.50	33.0	84

General Specifications

Rated Current.....Inductance drop 10 %, or temperature rise of 40 °C at I dc

Operating Temperature .....-40 °C to +105 °C

Storage Temperature .....-40 °C to +105 °C

Materials

Core Material.....Ferrite

Wire .....Enameled copper

Terminal Coating.....Sn

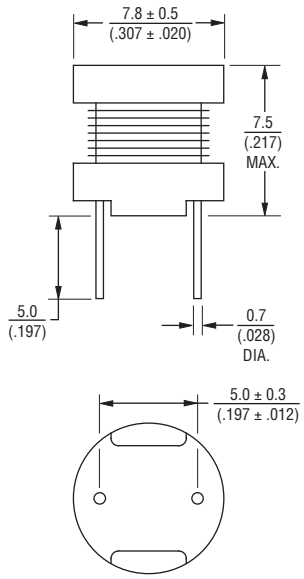
Marking

..... Value code on top of inductor

Packaging

Standard..... 100 pcs. per bag

Product Dimensions



DIMENSIONS: MM (INCHES)

How To Order

RL875 - 152K - RC

Model

Value/Tolerance Code (see table)

Compliance Code
RC = RoHS Compliant

Example:
RL875-152K-RC = 1500 µH, ±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.
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