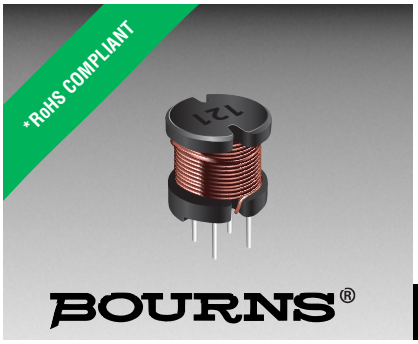


Features

- Formerly J.W. Miller® model
- Current rating up to 5.3 A
- Inductance range: 10 µH to 1000 µH
- RoHS compliant*

Applications

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

RL110 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

Part Number	Inductance (µH)	Tol.	Q (Ref.)	Test Frequency		SRF (MHz) Typ.	DCR (Ω) Max.	I dc (A)
				L	Q			
RL110-100M-RC	10	±20 %	20	2.52 MHz	2.52 MHz	14	0.022	5.3
RL110-120M-RC	12	±20 %	20	2.52 MHz	2.52 MHz	11	0.023	4.9
RL110-150M-RC	15	±20 %	20	2.52 MHz	2.52 MHz	7.7	0.026	4.4
RL110-180M-RC	18	±20 %	20	2.52 MHz	2.52 MHz	7.1	0.033	4.0
RL110-220M-RC	22	±20 %	20	2.52 MHz	2.52 MHz	6.8	0.037	3.6
RL110-270M-RC	27	±20 %	20	2.52 MHz	2.52 MHz	6.1	0.048	3.3
RL110-330K-RC	33	±10 %	20	2.52 MHz	2.52 MHz	6.0	0.055	2.9
RL110-390K-RC	39	±10 %	25	2.52 MHz	2.52 MHz	8.6	0.073	2.7
RL110-470K-RC	47	±10 %	25	2.52 MHz	2.52 MHz	8.1	0.083	2.5
RL110-560K-RC	56	±10 %	25	2.52 MHz	2.52 MHz	7.6	0.092	2.3
RL110-680K-RC	68	±10 %	25	2.52 MHz	2.52 MHz	6.3	0.12	2.1
RL110-820K-RC	82	±10 %	25	2.52 MHz	2.52 MHz	6.0	0.14	1.9
RL110-101K-RC	100	±10 %	25	1 KHz	796 KHz	5.7	0.16	1.7
RL110-121K-RC	120	±10 %	25	1 KHz	796 KHz	4.8	0.20	1.5
RL110-151K-RC	150	±10 %	25	1 KHz	796 KHz	4.2	0.23	1.4
RL110-181K-RC	180	±10 %	25	1 KHz	796 KHz	3.9	0.31	1.3
RL110-221K-RC	220	±10 %	25	1 KHz	796 KHz	3.8	0.34	1.1
RL110-271K-RC	270	±10 %	20	1 KHz	796 KHz	3.4	0.40	1.0
RL110-331K-RC	330	±10 %	20	1 KHz	796 KHz	2.8	0.52	0.93
RL110-391K-RC	390	±10 %	20	1 KHz	796 KHz	2.7	0.65	0.86
RL110-471K-RC	470	±10 %	20	1 KHz	796 KHz	2.5	0.71	0.78
RL110-561K-RC	560	±10 %	20	1 KHz	796 KHz	2.2	1.00	0.71
RL110-681K-RC	680	±10 %	20	1 KHz	796 KHz	2.1	1.10	0.65
RL110-821K-RC	820	±10 %	20	1 KHz	796 KHz	2.0	1.30	0.59
RL110-102K-RC	1000	±10 %	20	1 KHz	252 KHz	1.7	1.70	0.53

How To Order

RL110 - 471K - RC

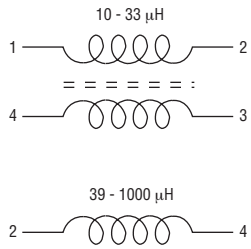
Model

Value/Tolerance Code (see table)

Compliance Code
RC = RoHS Compliant

Example:
RL110-471K-RC = 470 µH, ±10 %

Electrical Schematic



General Specifications

Rated Current.....Inductance drop 10 %, or 40 °C temperature rise 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

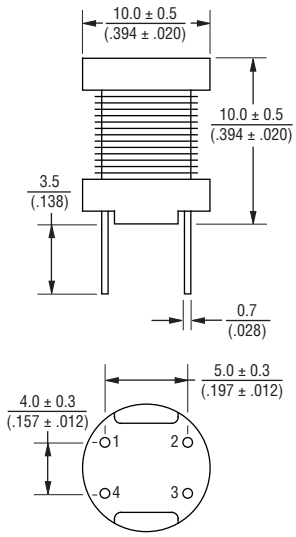
Marking

..... Value code on top of inductor

Packaging

Standard..... 100 pcs. per tray

Product Dimensions



CONNECTION:
10 - 33 µH.....Pin (1,4) & (2,3)
39 - 1000 µH.....Pin 2 & 4

DIMENSIONS: MM / (INCHES)

REV. 11/13

*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.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.