

Features

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

Applications

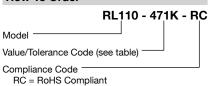
- DC/DC converters
- Power supplies
- Desktop notebooks
- Output chokes

RL110 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

Dt	I			Test Frequency		SRF	DCR	
Part Number	Inductance (µH)	Tol.	Q (Ref.)	L	Q	(MHz) Typ.	(Ω) Max .	I dc (A)
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

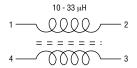
How To Order



Example:

 $RL110-471K-RC = 470 \,\mu\text{H}, \pm 10 \,\%$

Electrical Schematic



** Both windings are intended to be used in parallel with Pin 1-4 short and Pin 2-3 short through external connections.

General Specifications

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

.....-30 °C to +100 °C

Storage Temperature

.....-30 °C to +100 °C

Materials

Core	: Material	Ferrite
Wire	Enameled	d copper
Term	inal Coating	Sn

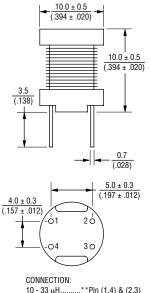
Marking

...... Value code on top of inductor

Packaging

Standard......100 pcs. per bag

Product Dimensions



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

MM DIMENSIONS: (INCHES)



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

REV. 06/19

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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