



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Features

- Formerly J. W. Miller® model
- Current rating up to 200 mA
- Inductance range: 100 μ H to 33,000 μ H
- High Q
- RoHS compliant*

Applications

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

RL187 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

Part Number	Inductance (μ H)	Tol.	Q (Min.)	Test Frequency		SRF (MHz) Typ.	DCR (Ω) Max.	I dc (mA)
				L	Q			
RL187-101J-RC	100	$\pm 5\%$	80	796 KHz	796 KHz	5.3	2.0	200
RL187-121J-RC	120	$\pm 5\%$	80	796 KHz	796 KHz	4.5	2.0	200
RL187-151J-RC	150	$\pm 5\%$	80	796 KHz	796 KHz	3.8	2.0	200
RL187-181J-RC	180	$\pm 5\%$	80	796 KHz	796 KHz	3.3	3.0	200
RL187-221J-RC	220	$\pm 5\%$	80	796 KHz	796 KHz	2.9	3.0	200
RL187-271J-RC	270	$\pm 5\%$	80	796 KHz	796 KHz	2.6	3.0	200
RL187-331J-RC	330	$\pm 5\%$	80	796 KHz	796 KHz	2.3	4.0	200
RL187-391J-RC	390	$\pm 5\%$	80	796 KHz	796 KHz	2.1	4.0	200
RL187-471J-RC	470	$\pm 5\%$	80	796 KHz	796 KHz	1.9	4.0	200
RL187-561J-RC	560	$\pm 5\%$	80	796 KHz	796 KHz	1.7	4.0	200
RL187-681J-RC	680	$\pm 5\%$	80	796 KHz	796 KHz	1.6	4.0	200
RL187-821J-RC	820	$\pm 5\%$	80	796 KHz	796 KHz	1.4	6.0	200
RL187-102J-RC	1000	$\pm 5\%$	90	252 KHz	252 KHz	1.3	6.0	150
RL187-122J-RC	1200	$\pm 5\%$	90	252 KHz	252 KHz	1.2	9.0	150
RL187-152J-RC	1500	$\pm 5\%$	90	252 KHz	252 KHz	1.1	9.0	150
RL187-182J-RC	1800	$\pm 5\%$	90	252 KHz	252 KHz	1.0	9.0	100
RL187-222J-RC	2200	$\pm 5\%$	90	252 KHz	252 KHz	0.9	13	100
RL187-272J-RC	2700	$\pm 5\%$	90	252 KHz	252 KHz	0.8	13	100
RL187-332J-RC	3300	$\pm 5\%$	90	252 KHz	252 KHz	0.7	13	100
RL187-392J-RC	3900	$\pm 5\%$	90	252 KHz	252 KHz	0.6	13	50
RL187-472J-RC	4700	$\pm 5\%$	90	252 KHz	252 KHz	0.6	18	50
RL187-562J-RC	5600	$\pm 5\%$	90	252 KHz	252 KHz	0.5	18	50
RL187-682J-RC	6800	$\pm 5\%$	90	252 KHz	252 KHz	0.5	26	50
RL187-822J-RC	8200	$\pm 5\%$	90	252 KHz	252 KHz	0.4	26	50
RL187-103J-RC	10,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.4	40	40
RL187-123J-RC	12,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.4	40	40
RL187-153J-RC	15,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.4	60	40
RL187-183J-RC	18,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.3	60	30
RL187-223J-RC	22,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.3	80	30
RL187-273J-RC	27,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.3	80	30
RL187-333J-RC	33,000	$\pm 5\%$	100	79.6 KHz	79.6 KHz	0.3	80	30

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

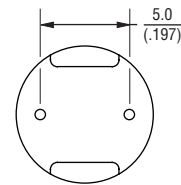
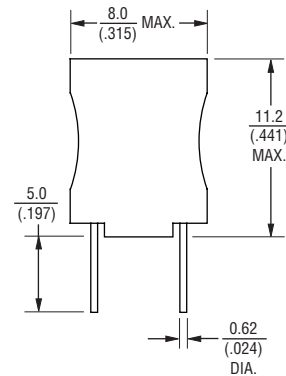
Marking

..... Value code on side of inductor

Packaging

Standard..... 100 pcs. per bag

Product Dimensions



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

How To Order

RL187 - 472J - RC

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

Example:
 RL187-472J-RC = 4700 μ H, $\pm 5\%$

Electrical Schematic

