

BOURNS®

Features

- Formerly J. W. Miller® model
- Current rating up to 2.5 A
- Inductance range: 10 μ H to 10,000 μ H
- RoHS compliant*

Applications

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

RL855 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 (mA)
				L	Q			
RL855-100M-RC	10	± 20 %	45	1.0 KHz	2.5 MHz	20	0.07	2500
RL855-120M-RC	12	± 20 %	45	1.0 KHz	2.5 MHz	16	0.08	2400
RL855-150M-RC	15	± 20 %	45	1.0 KHz	2.5 MHz	14	0.09	2100
RL855-180M-RC	18	± 20 %	32	1.0 KHz	2.5 MHz	13	0.10	2000
RL855-220K-RC	22	± 10 %	32	1.0 KHz	2.5 MHz	11	0.12	1700
RL855-270K-RC	27	± 10 %	32	1.0 KHz	2.5 MHz	9.5	0.14	1600
RL855-330K-RC	33	± 10 %	22	1.0 KHz	2.5 MHz	8.0	0.17	1400
RL855-390K-RC	39	± 10 %	22	1.0 KHz	2.5 MHz	7.0	0.21	1300
RL855-470K-RC	47	± 10 %	22	1.0 KHz	2.5 MHz	4.5	0.24	1200
RL855-560K-RC	56	± 10 %	22	1.0 KHz	2.5 MHz	4.5	0.31	1100
RL855-680K-RC	68	± 10 %	22	1.0 KHz	2.5 MHz	4.5	0.34	1000
RL855-820K-RC	82	± 10 %	22	1.0 KHz	2.5 MHz	5.3	0.40	930
RL855-101K-RC	100	± 10 %	20	1.0 KHz	790 KHz	4.8	0.52	810
RL855-121K-RC	120	± 10 %	20	1.0 KHz	790 KHz	4.8	0.59	760
RL855-151K-RC	150	± 10 %	20	1.0 KHz	790 KHz	3.5	0.71	670
RL855-181K-RC	180	± 10 %	20	1.0 KHz	790 KHz	3.5	0.89	620
RL855-221K-RC	220	± 10 %	20	1.0 KHz	790 KHz	3.2	1.04	540
RL855-271K-RC	270	± 10 %	20	1.0 KHz	790 KHz	3.2	1.28	490
RL855-331K-RC	330	± 10 %	20	1.0 KHz	790 KHz	3.2	1.47	440
RL855-391K-RC	390	± 10 %	20	1.0 KHz	790 KHz	3.2	1.67	410
RL855-471K-RC	470	± 10 %	20	1.0 KHz	790 KHz	2.5	1.95	380
RL855-561K-RC	560	± 10 %	20	1.0 KHz	790 KHz	2.5	2.83	350
RL855-681K-RC	680	± 10 %	34	1.0 KHz	790 KHz	1.7	3.25	320
RL855-821K-RC	820	± 10 %	34	1.0 KHz	790 KHz	1.7	3.82	310
RL855-102K-RC	1000	± 10 %	80	1.0 KHz	250 KHz	1.70	5.28	250
RL855-122K-RC	1200	± 10 %	80	1.0 KHz	250 KHz	1.70	6.03	230
RL855-152K-RC	1500	± 10 %	80	1.0 KHz	250 KHz	1.70	7.15	210
RL855-182K-RC	1800	± 10 %	80	1.0 KHz	250 KHz	0.95	8.26	200
RL855-222K-RC	2200	± 10 %	80	1.0 KHz	250 KHz	0.95	11.1	180
RL855-272K-RC	2700	± 10 %	80	1.0 KHz	250 KHz	0.95	13.1	160
RL855-332K-RC	3300	± 10 %	80	1.0 KHz	250 KHz	0.95	15.9	140
RL855-392K-RC	3900	± 10 %	80	1.0 KHz	250 KHz	0.95	18.0	130
RL855-472K-RC	4700	± 10 %	80	1.0 KHz	250 KHz	0.95	23.9	120
RL855-562K-RC	5600	± 10 %	80	1.0 KHz	250 KHz	0.55	26.8	110
RL855-682K-RC	6800	± 10 %	80	1.0 KHz	250 KHz	0.55	31.7	98
RL855-822K-RC	8200	± 10 %	80	1.0 KHz	250 KHz	0.55	46.5	88
RL855-103K-RC	10,000	± 10 %	80	1.0 KHz	79 KHz	0.55	55.7	81

General Specifications

Rated Current..... Inductance drop 10 %
 Operating Temperature-30 °C to +100 °C
 Storage Temperature-30 °C to +100 °C

Materials

Core Material..... Ferrite
 Wire Enameled copper
 Terminal Coating..... Sn

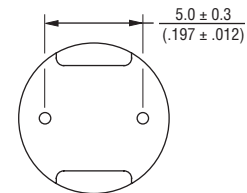
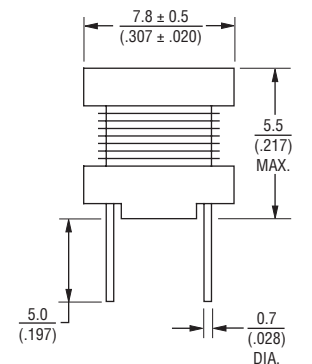
Marking

..... Value code on top of inductor

Packaging

Standard..... 100 pcs. per bag

Product Dimensions



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

How To Order

RL855 - 152K - RC

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

Example:

RL855-152K-RC = 1500 μ H, ± 10 %

Electrical Schematic



REV. 02/09

*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.
 Customers should verify actual device performance in their specific applications