



RL-7700-3LP RL-7700-4LP

LOW PROFILE CERAMIC WIREWOUND CHIP INDUCTORS



FEATURES

- Ceramic core wire wound construction.
- No batch to batch variations in inductance.
- High reliability due to ceramic wirewound construction.

APPLICATIONS

Widely used in the communication applications such as cellular phones, pagers and other high frequency electronics devices.

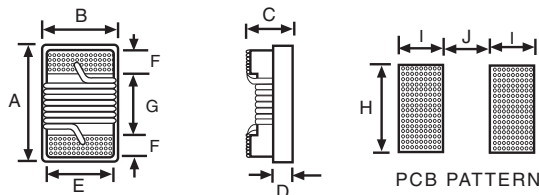
SPECIFICATIONS

Operating Temperature range: -40°C to +125°C

Storage Temperature: -40°C to +125°C

PRECAUTIONS

- After mounting components onto printed circuit board, be careful not to bend or mishandle the board.
- When hand soldering, apply solder iron to the printed circuit board only. Temperature of the iron tip should not exceed 260°C with soldering time < 3 seconds.
- Reflow soldering condition: 230°C for 10s max.



PART NUMBER IDENTIFICATION

RL-7700 -3 LP 4N7 K
(1) (2) (3) (4) (5)

- (1) SERIES NAME
- (2) DIMENSIONS
- (3) TYPE CODE: LP - Low Profile
- (4) INDUCTANCE CODE
- (5) TOLERANCE CODE
G - ±2% J - ±5%
K - ±10%

TAPE AND REEL PACKAGING

Part Number	Pieces per reel	Plastic reel size
RL-7700-3LP	2,000	7"
RL-7700-4LP	2,000	7"

MECHANICAL DIMENSIONS (mm)

Part Number	A Max.	B Max.	C Max.	D Ref.	E Max.	F Max.	G Max.	H Max.	I Max.	J Max.
RL-7700-3LP	2.29	1.73	1.03	0.51	1.27	0.44	1.02	1.78	1.02	0.76
RL-7700-4LP	2.92	2.79	1.40	0.65	2.03	0.51	1.52	2.54	1.02	1.27



RENCO ELECTRONICS, INC.

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Part Number	Tolerance Available	L (nH)	Test Freq. (MHz)	Q Min.	Q TEST Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC Max. (mA)
RL-7700-3LP-1N8	K	1.8	250	55	1500	9400	0.030	800
RL-7700-3LP-3N9	K	3.9	250	50	1000	6100	0.060	800
RL-7700-3LP-4N7	K,J	4.7	250	50	1000	5500	0.060	800
RL-7700-3LP-6N8	K,J	6.8	250	50	1000	5500	0.080	800
RL-7700-3LP-8N2	K,J	8.2	250	50	1000	4800	0.080	800
RL-7700-3LP-10N	K,J,G	10.0	250	55	750	3300	0.080	800
RL-7700-3LP-12N	K,J,G	12.0	250	55	750	3800	0.100	800
RL-7700-3LP-15N	K,J,G	15.0	250	50	500	2950	0.010	800
RL-7700-3LP-18N	K,J,G	18.0	250	50	500	3100	0.130	800
RL-7700-3LP-22N	K,J,G	22.0	250	50	500	2900	0.150	800
RL-7700-3LP-27N	K,J,G	27.0	250	50	500	2450	0.230	600
RL-7700-3LP-33N	K,J,G	33.0	250	50	500	2350	0.280	600
RL-7700-3LP-39N	K,J,G	39.0	250	50	500	2200	0.330	600
RL-7700-3LP-47N	K,J,G	47.0	200	50	500	2000	0.390	600
RL-7700-3LP-56N	K,J,G	56.0	200	50	500	1850	0.390	500
RL-7700-3LP-68N	K,J,G	68.0	200	50	500	1500	0.400	500
RL-7700-3LP-82N	K,J,G	82.0	150	50	500	1500	0.440	500
RL-7700-3LP-R10	K,J,G	100.0	150	50	500	1200	0.640	400
RL-7700-3LP-R12	K,J,G	120.0	150	40	250	1150	0.680	300
RL-7700-3LP-R15	K,J,G	150.0	150	40	250	1050	0.800	300

Test Equipment: Agilent / HP 4287 + Agilent / HP 8753D or HP 4291A



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RL-7700-4LP-4N7	K,J	4.7	50	42	500	6000	0.150	600
RL-7700-4LP-8N2	K,J	8.2	50	50	500	5000	0.220	600
RL-7700-4LP-15N	K,J	15.0	50	57	500	3000	0.220	600
RL-7700-4LP-20N	K,J	20.0	50	72	500	2400	0.330	600
RL-7700-4LP-30N	K,J	30.0	50	69	500	2400	0.380	600
RL-7700-4LP-40N	K,J	40.0	50	67	500	2000	0.430	600
RL-7700-4LP-50N	K,J,G	50.0	50	72	500	1900	0.480	600
RL-7700-4LP-60N	K,J,G	60.0	50	75	500	1800	0.520	600
RL-7700-4LP-70N	K,J,G	70.0	50	68	500	1700	0.550	510
RL-7700-4LP-80N	K,J,G	80.0	50	75	500	1400	0.560	510
RL-7700-4LP-90N	K,J,G	90.0	50	85	500	1400	0.610	500
RL-7700-4LP-R56	K,J,G	560.0	25	40	100	400	1.330	400

Test Equipment: Agilent / HP 4287 + Agilent / HP 8753D or HP 4291A



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