

High IP3

# Low Noise Amplifier

50Ω 500 to 1400 MHz

**NEW!**

**ZRL-1150LN**

## Maximum Ratings

Operating Temperature	-40°C to 80°C case -40°C to 60°C ambient
Storage Temperature	-55°C to 100°C
DC Voltage	+17V max.

## Features

- high IP3, +41 dBm typ.
- low noise figure, 0.8 dB typ.
- broadband flat gain response
- internal voltage regulated
- over voltage and transient protected

## Applications

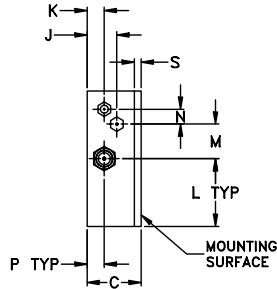
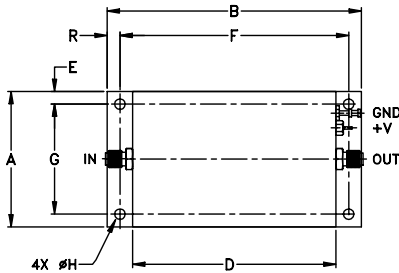
- very low noise preamplifier
- analog/digital cellular
- PCS, GSM, TDMA, CDMA
- GPS and MAS
- aeronautical and defense communications



**BLUE CELL™**

CASE STYLE: FJ893  
PRICE: \$119.95 ea. QTY (1-9)

## Outline Drawing



## Outline Dimensions (inch/mm)

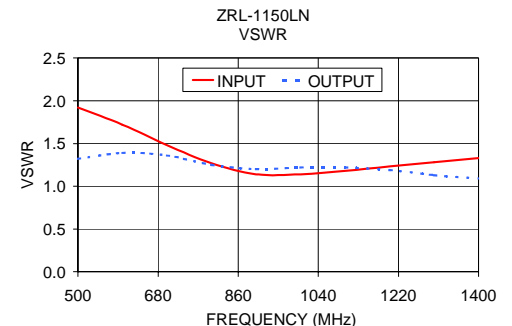
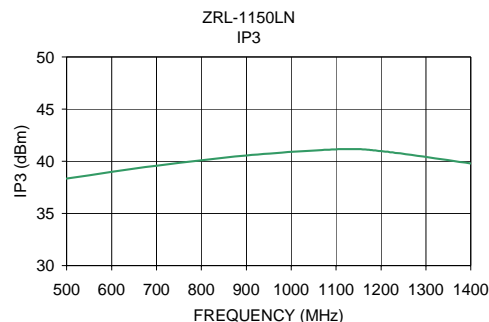
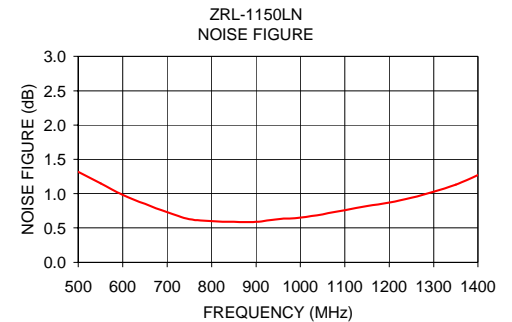
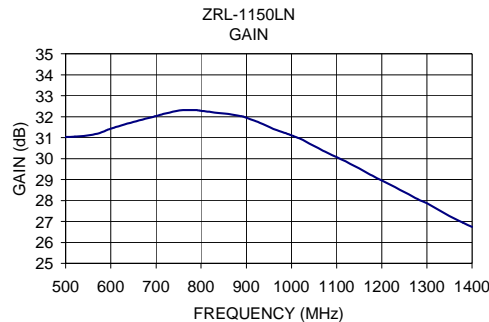
A	B	C	D	E	F	G	H	J
2.00	3.75	.80	3.00	.19	3.374	1.624	.156	.44
50.80	95.25	20.32	76.20	4.83	85.70	41.25	3.96	11.18
K	L	M	N	P	Q	R	S	wt.
.26	1.00	.51	.22	.26	—	.19	.10	grams
6.60	25.40	12.95	5.59	6.60	—	4.83	2.54	135

## Electrical Specifications (T<sub>AMB</sub> = 25°C)

FREQ. RANGE (MHz)	GAIN (dB)		NOISE FIGURE (dB)		MAXIMUM POWER (dBm)			INTERCEPT POINT IP3 dBm Typ.*	VSWR (:1)		DIRECTIVITY (dB) Typ.	DC POWER			
	Typ.	Min.	Typ.	Max.	Output (1 dB Comp.)	Input (no damage)	Typ.		In	Out		Volt <sup>1</sup> Typ.	Max. Current (mA)		
500-1400															
500-700	31	27	±0.5	±1.0	1.1	1.6	24	22	+10	38	1.75	1.35	23	12	500
700-1000	32	27	±0.5	±1.0	0.8	1.2	24	22	+10	40	1.20	1.25	17	12	500
1000-1400	29	25	±2.0	—	1.1	1.7	24	22	+10	40	1.25	1.20	19	12	500

\* 1MHz tone spacing

<sup>1</sup> Other voltages available in the 6.5 to 17V range, please contact factory.



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REV. E  
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BLUEC/RS/CP  
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