

High IP3

# Low Noise Amplifier

50Ω 950 to 2150 MHz

**NEW!**

**ZRL-2150**

## 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, +33 dBm typ.
- low noise figure, 1.5 dB typ.
- broadband flat gain response
- excellent return loss, 20 dB typ.
- internal voltage regulated
- over voltage and transient protected



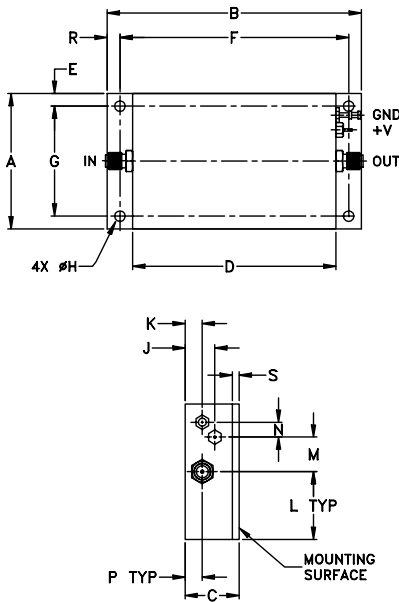
**BLUE CELL™**

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

## Applications

- PCS, UMTS
- mobil satellite service
- baseband amp, fiber optic driver
- defense and aeronautical

## Outline Drawing



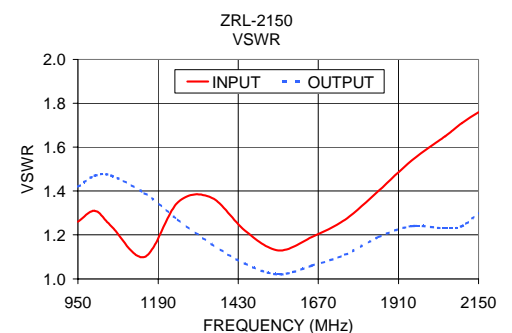
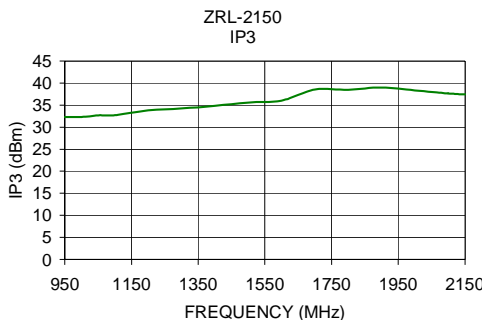
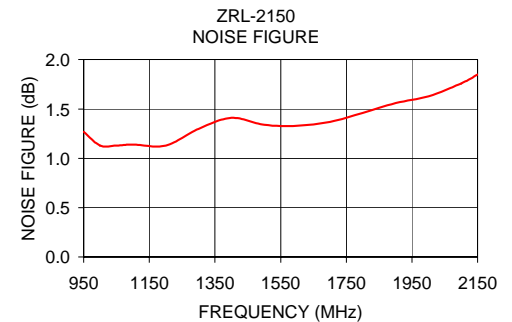
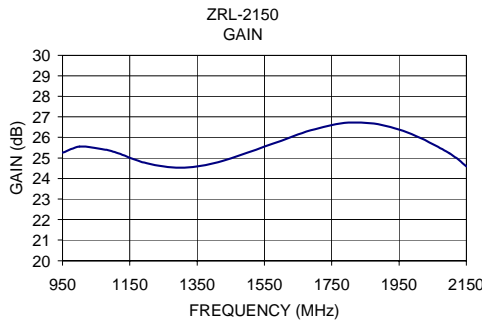
## Electrical Specifications (T<sub>AMB</sub> = 25°C)

FREQ. RANGE (MHz)	GAIN (dB)		NOISE FIGURE (dB)		MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm)	VSWR (:1)		DIRECTIVITY (dB)	DC POWER	
	Typ.	Min.	Typ.	Max.	Output (1 dB Comp.)	Input (no damage)		In	Out		Typ.	Volt <sup>1</sup> Typ.
950-2150	25	22.5	±1.1	±1.8	22	17.5	33	1.3	1.2	26	12	280
1500-2000	25	23	±0.9	±1.5	24	22	34	1.3	1.2	21	12	280

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

## 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



INTERNET <http://www.minicircuits.com>

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ISO 9001 CERTIFIED

REV. A  
M92817  
ZRL-2150  
EDB021202  
BLUEC/RS/CP  
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