

# High IP3 Low Noise Amplifier

50Ω 250 to 700 MHz

**NEW!**

**ZRL-700**

## 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, +46 dBm typ.
- low noise figure, 2.0 dB typ.
- broadband flat gain response
- internal voltage regulated
- over voltage and transient protected

## Applications

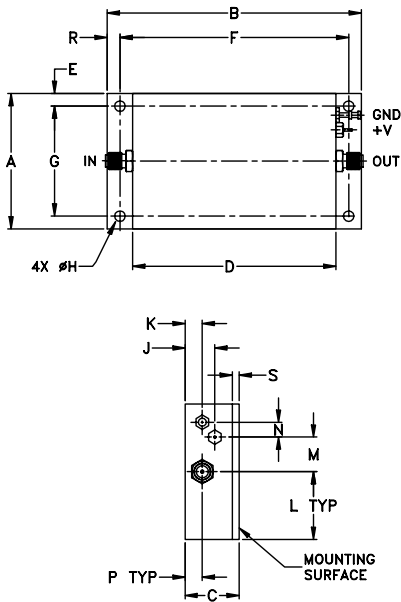
- high dynamic range applications
- mobile radio service
- NMT 450 cellular service
- aeronautical communications
- UHF television



**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 (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>	Max. Current		
250-700	29	27	±0.5	±1.0	2.0	3.5	24.8	23.5	+10	46	1.20	1.10	15	12	550
300-500	29	27.5	±0.3	±0.7	2.0	3.5	24.8	23.5	+10	46	1.10	1.05	14.5	12	550

\* 1MHz tone spacing

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

