

High IP3 Low Noise Amplifier

NEW!

ZRL-2300

50Ω 1400 to 2300 MHz

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, 2.5 dB typ.
- broadband flat gain response
- internal voltage regulated
- over voltage and transient protected

Applications

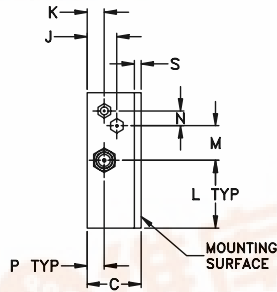
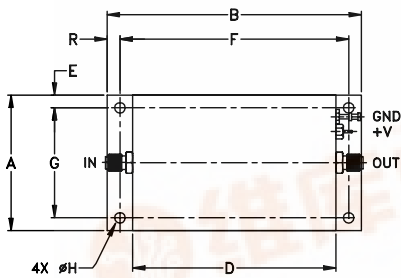
- high dynamic range
- PCS, UMTS, GSM, cellular, wireless data
- defense and satellite communications
- high linearity driver amplifier



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_{AMB} = 25°C)

FREQ. RANGE (MHz)	GAIN (dB)		NOISE FIGURE (dB)		MAXIMUM POWER (dBm)			INTERCEPT POINT IP3 dBm Typ.*	VSWR (:1)		DIRECTIVITY (dB)	DC POWER	
	Typ.	Min.	Typ.	Max.	Output (1 dB Comp.)	Input (no damage)	Typ.		In	Out		Volt [†] Typ.	Max. Current (mA)
1400-2300	23.5	21	±0.7	±1.0	24.6	23	+10	46	1.20	1.16	21	12	550
1650-2150	24	22	±0.5	±0.8	24.6	23	+10	46	1.20	1.16	20	12	550

* 1MHz tone spacing

† Other voltages available in the 6.5 to 17V range, please contact factory.

