

# High IP3 Low Noise Amplifier

50Ω 650 to 1200 MHz

**NEW!**

**ZRL-1200**



**BLUE CELL™**

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

## Maximum Ratings

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

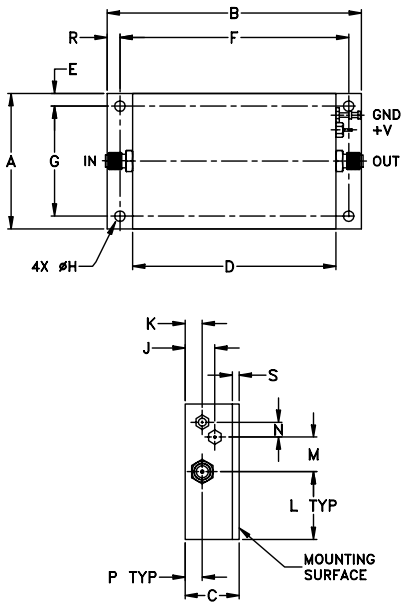
## Features

- 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

- low noise, high dynamic range
- analog/digital cellular
- PCS, GSM, TDMA, CDMA
- UHF television
- driver amplifier

## 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> Typ. | Max. Current (mA) |    |     |
| 650-1200          | 27.5      | 25   | ±0.6              | ±1.0 | 2.0                 | 3.0               | 24.3                  | 23.5      | +10 | 46               | 1.20     | 1.25                   | 18                | 12 | 550 |
| 800-950           | 28        | 26   | ±0.4              | ±0.8 | 2.0                 | 3.0               | 24.3                  | 23.5      | +10 | 46               | 1.20     | 1.20                   | 18                | 12 | 550 |

\* 1MHz tone spacing

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

