

# RF AMPLIFIER

# Medium Power Amplifier

## MODEL **BXMP1029**

Available as: BXMP1029, SMA Connectorized Housing

www.DataSheet4U.com

### Features

- Ultra High Second Order Intercept: +91 dBm Typical
- High Output Power: +31.5 dBm Typical
- Environmental Screening Available

### Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point ..... +93 dBm (Typ.)  
 Second Order Two Tone Intercept Point ..... +91 dBm (Typ.)  
 Third Order Two Tone Intercept Point ..... +48 dBm (Typ.)

### Specifications

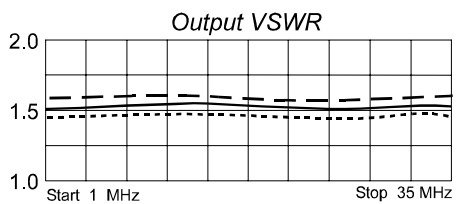
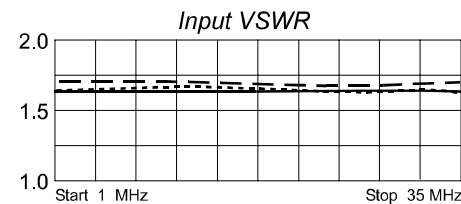
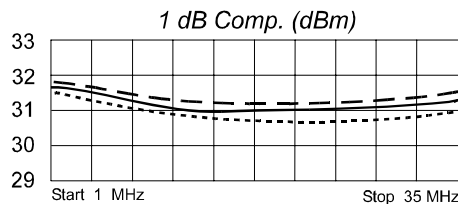
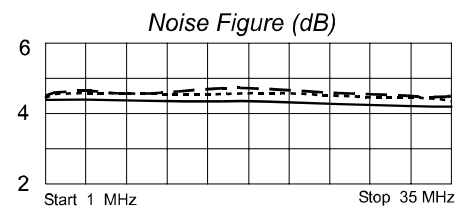
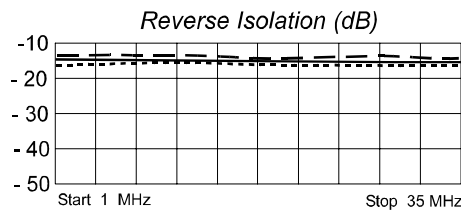
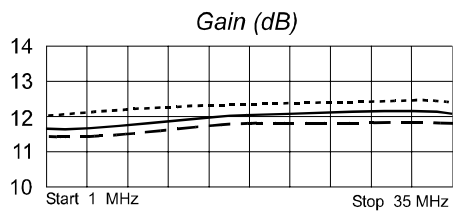
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = 0 °C to +70 °C
Frequency	1 - 35 MHz	1 - 35 MHz
Gain (dB)	12	11 Min.
Power @ 1 dB Comp. (dBm)	31.5	30 Min.
Reverse Isolation (dB)	-15	-14 Max.
VSWR In	1.8:1	2:0:1 Max.
Out	1.8:1	2:0:1 Max.
Noise figure (dB)	4	5.0 Max.
Power Vdc	+15	+15
mA	400	425 Max.

### Maximum Ratings

Ambient Operating Temperature ..... -55°C to + 100 °C  
 Storage Temperature ..... -62°C to + 125 °C  
 Case Temperature ..... + 125 °C  
 DC Voltage ..... + 18 Volts  
 Continuous RF Input Power ..... + 13 dBm  
 Short Term RF Input Power .... 100 Milliwatts (1 Minute Max.)  
 Maximum Peak Power ..... 0.5 Watt (3 µsec Max.)

Note: Care should always be taken to effectively ground the case of each unit.

### Typical Performance Data



Legend ——— + 25 °C    - - - - + 70°C    ······ 0 °C



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532

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www.SpectrumMicrowave.com Spectrum Microwave · 2707 Black Lake Place · Philadelphia, Pennsylvania 19154 · PH (215) 464-4000 · Fax (215) 464-4001

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