

# RF AMPLIFIER

## MODEL BXMP1038

Available as: BXMP1038, SMA Connectorized Housing

www.DataSheet4U.com

### Features

- High Output Power: +30 dBm Typical
- Wide Bandwidth 20-3000 MHz
- High Gain: 42 dB Typical
- Environmental Screening Available

### Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point..... +53 dBm (Typ.)  
 Second Order Two Tone Intercept Point..... +49 dBm (Typ.)  
 Third Order Two Tone Intercept Point..... +40 dBm (Typ.)

### Specifications

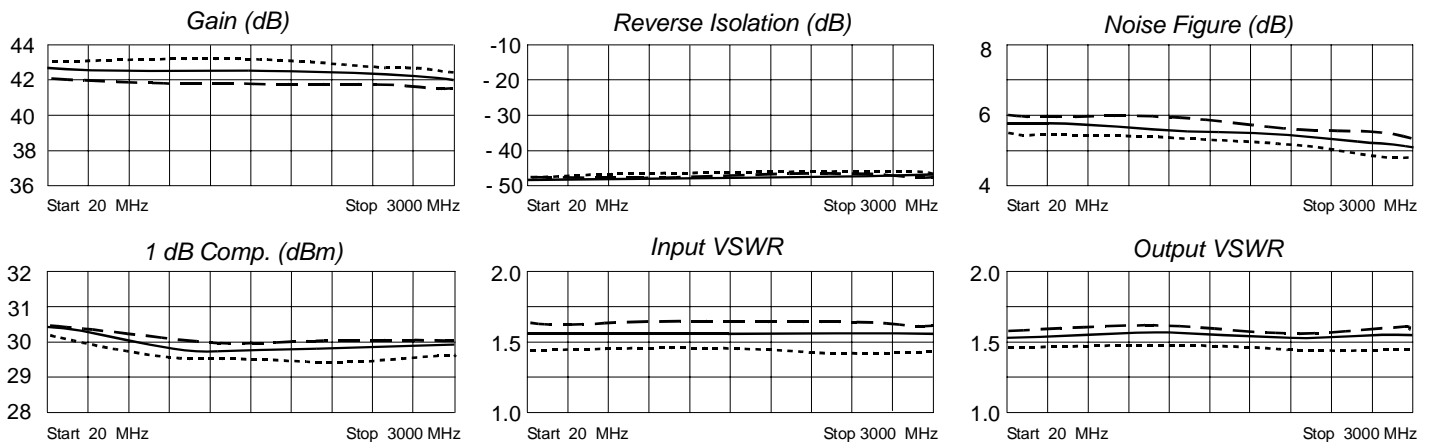
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = 0 °C to +50 °C
Frequency	20- 3000 MHz	20 - 3000 MHz
Gain (dB)	42	40 Min.
Power @ 1 dB Comp. (dBm)	30	29 Min.
Reverse Isolation (dB)	- 50	- 45 Max.
VSWR In	1.5:1	2.0:1 Max.
Out	1.5:1	2.0:1 Max.
Noise Figure (dB)	5.0	6.0 Max.
Power Vdc	+15	+15 Min.
mA	550	600 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 ..... 50 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    - - - +50 °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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