

# RF AMPLIFIER

Available as: BXMP1035, SMA Connectorized Housing (H-95)

## MODEL BXMP1035

### Features

- Higher Output Power: 24.5 dBm Typical
- High Gain: 38 dB Typical
- Operating Temp. - 55 °C to +85 °C
- Environmental Screening Available

### Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point ..... +55 dBm (Typ.)  
 Second Order Two Tone Intercept Point ..... +50 dBm (Typ.)  
 Third Order Two Tone Intercept Point ..... +40 dBm (Typ.)

### Specifications

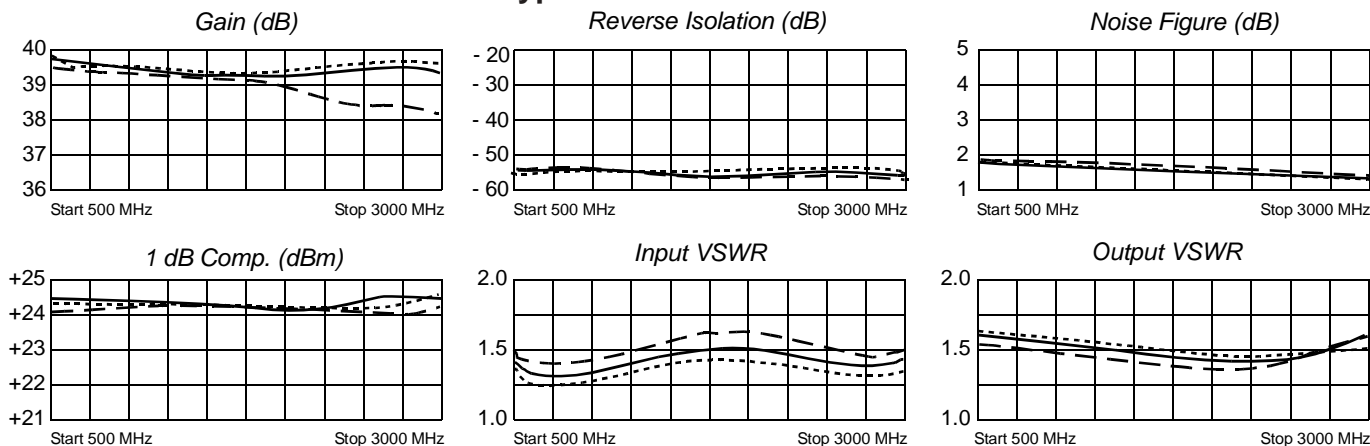
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	500 - 3000 MHz	500 - 3000 MHz
Gain (dB)	38	37 Min.
Power @ 1 dB Comp. (dBm)	+24.5	+23.5 Min.
Reverse Isolation (dB)	-55	-50 Max.
VSWR In	1.8:1	2.0:1 Max.
Out	1.8:1	2.0:1 Max.
Noise Figure (dB)	1.6	2.1 Max.
Power Vdc	+15	+15
mA	220	250 Max.

### Maximum Ratings

Ambient Operating Temperature ..... -55°C to +100 °C  
 Storage Temperature ..... -62°C to +125 °C  
 Case Temperature ..... +95 °C  
 DC Voltage ..... +17 Volts  
 Continuous RF Input Power ..... +10 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    - - - - +85 °C    ······ -55 °C

