

RF AMPLIFIER

MODEL *BXMP1036*

Available as: BXMP1036, SMA Connectorized Housing

Features

- High Gain: 30 dB Typical
- Low Noise Figure: 2.0 dB Typical
- Operating Temp. - 40 °C to +85 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -40 °C to +85 °C
Frequency	500 - 3000 MHz	500 - 3000 MHz
Gain (dB)	30	28.5 Min.
Power @ 1 dB Comp. (dBm)	25	24 Min.
Reverse Isolation (dB)	-37	-33 Max.
VSWR In	1.75:1	2.0:1 Max.
Out	1.75:1	2.0:1 Max.
Noise Figure (dB)	2.0	3.0 Max.
Power Vdc	+15	+15
mA	280	300 Max.

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

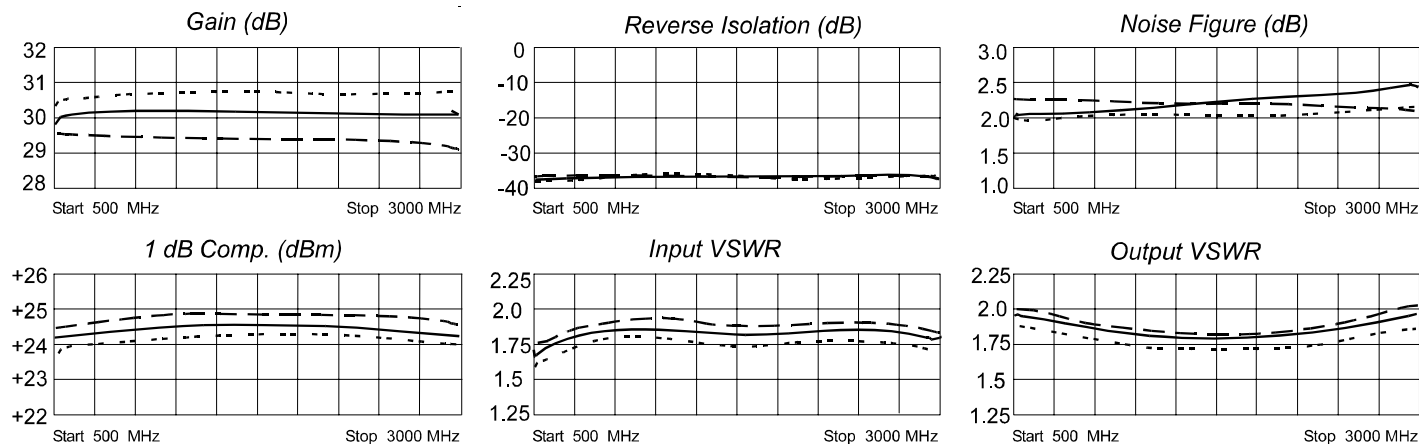
Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point+60 dBm (Typ.)
 Second Order Two Tone Intercept Point+55 dBm (Typ.)
 Third Order Two Tone Intercept Point+40 dBm (Typ.)

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.)

Typical Performance Data



Legend ——— +25 °C --- +85 °C -40 °C



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