

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

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.

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

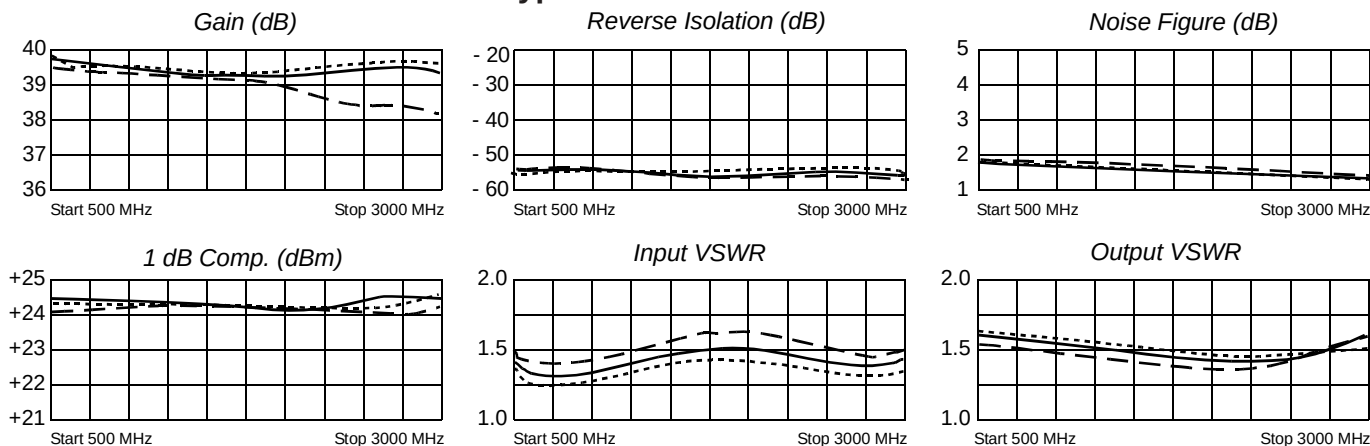
Typical Intermodulation Performance at 25 °C

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

Typical Performance Data



Legend ——— +25 °C --- +85 °C -55 °C



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Rev.
11/16/07

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