

RF AMPLIFIER

Available as: BXMP1055, SMA Replaceable Female Connector

MODEL *BXMP1055*

Features

- High Output Power: +30 dBm Typical
- High Gain: 24 dB Typical
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -40 °C to +85 °C
Frequency (MHz)	10 - 1700 MHz	10 - 1700 MHz
Gain (dB)	24	23 Min.
Power @ 1 dB Comp. (dBm)	+30	+29 Min.
Reverse Isolation (dB)	-35	—
VSWR In	1.8:1	2.0:1 Max.
VSWR Out	1.8:1	2.0:1 Max.
Noise Figure (dB)	4.0	6.0 Max.
Power Vdc	+15	+15
mA	380	400 Max.

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

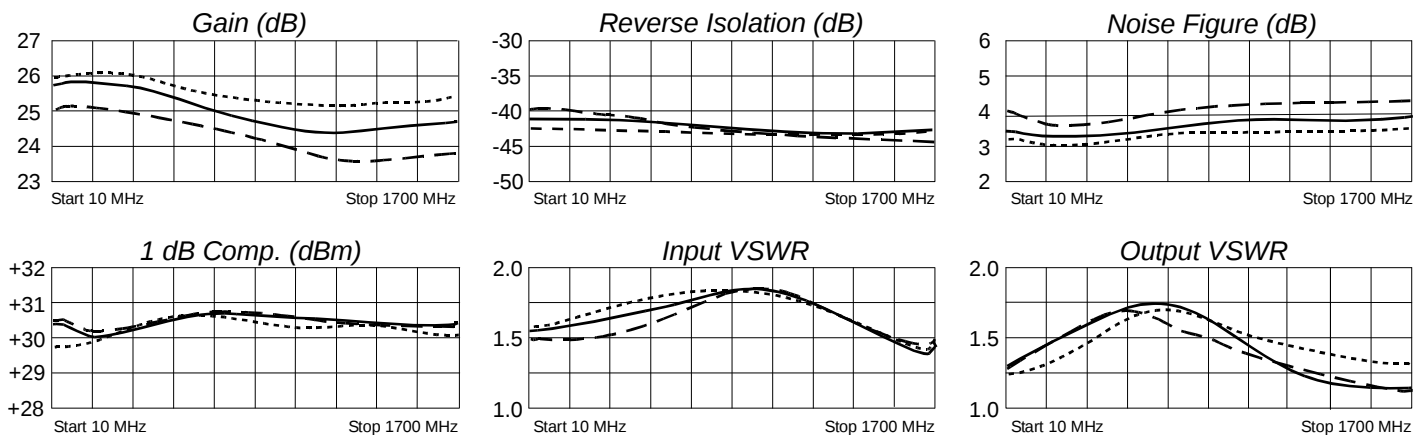
Typical Intermodulation Performance at 25 °C

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.)

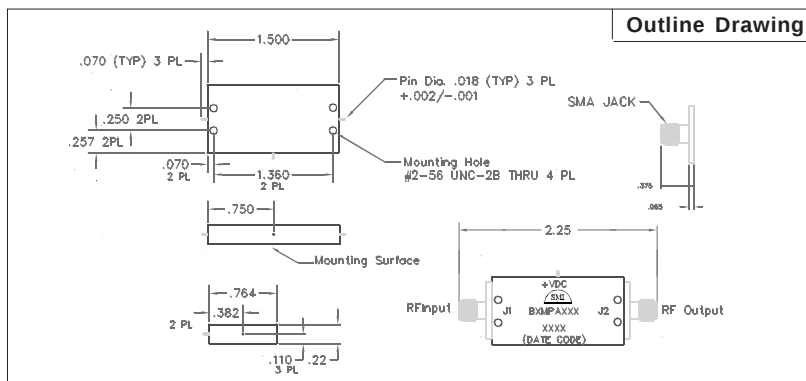
Absolute Maximum (No Damage) Ratings

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 (CW) +15 dBm
 Revision 9/24/2012

Typical Performance Data



Legend ——— +25 °C - - - +85 °C ····· -40 °C



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