

RF AMPLIFIER

Available as: SMA Replacable Female Connectors

MODEL **BXMP1048**

Features

- High Output Power: +26 dBm Typical
- High Gain: 22 dB Typical
- Environmental Screening Available

Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point +55 dBm (Typ.)
 Second Order Two Tone Intercept Point* +49 dBm (Min.)
 Third Order Two Tone Intercept Point* +37 dBm (Min.)

Specifications

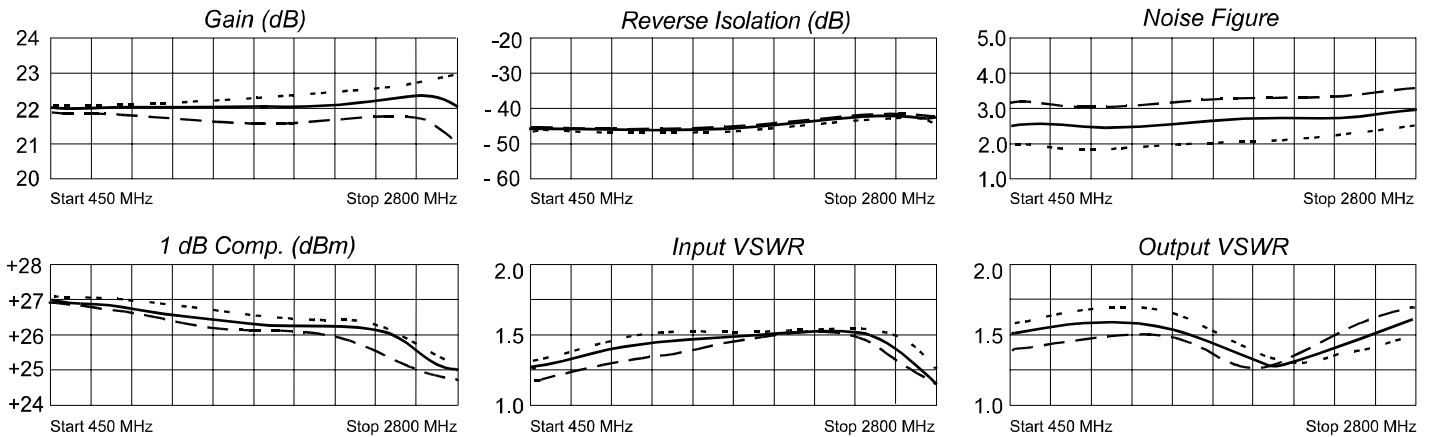
CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -40 °C to +85 °C
Frequency	450 - 2800 MHz	450 - 2800 MHz
Gain (dB)	22	20 Min./24 Max.
Power @ 1 dB Comp. (dBm)	+26	+23 Min.
Reverse Isolation (dB)	-40	-35
VSWR In	1.7:1	1.8:1 Max.
Out	1.7:1	1.8:1 Max.
Noise Figure (dB)	3.0	4.0 Max.
Power Vdc	+15	+15
mA	210	250 Max.

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

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

Typical Performance Data



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



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532 Rev. 2/25/11

www.SpectrumMicrowave.com Spectrum Microwave · 2707 Black Lake Place · Philadelphia, Pennsylvania 19154 · PH (215) 464-4000 · Fax (215) 464-4001