

RF AMPLIFIER

MODEL *BXMP1023*

Medium Power Amplifier

Available as: BXMP1023, Connectorized Housing

Preliminary

www.DataSheet4U.com

Features

- High IP₂: +52 dBm Typical
- Excellent Reverse Isolation
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	5000 - 6000 MHz	5200 - 5800 MHz
Gain (dB)	18.0	17.0 Min.
Power @ 1 dB Comp. (dBm)	+13.5	+12.0 Min.
Reverse Isolation (dB)	-30	-25 Max.
VSWR In	1.35	2.0:1 Max.
Out	1.35	2.0:1 Max.
Noise Figure (dB)	1.25	2.0 Max.
Power Vdc	+15	+15 Min.
mA	45	60 Max.

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

Typical Intermodulation Performance at 25 ° C

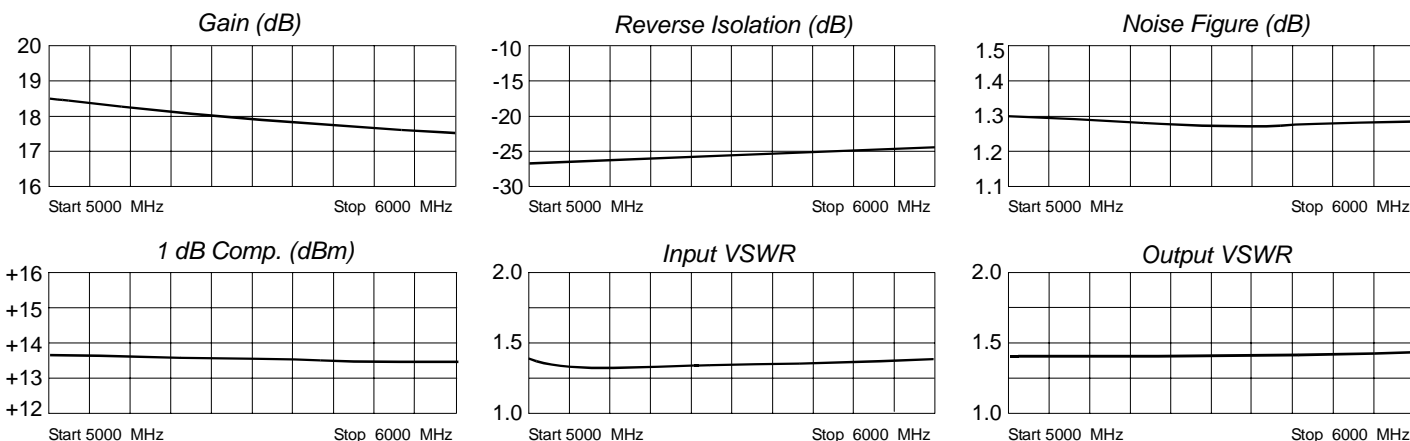
Second Order Harmonic Intercept Point + dBm (Typ.)
 Second Order Two Tone Intercept Point + dBm (Typ.)
 Third Order Two Tone Intercept Point +24 dBm (Typ.)

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 + 18 dBm
 Short Term RF Input Power 50 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.5 Watt (3 µsec Max.)

Legend ——— + 25 °C - - - - + 85 °C - - - - -55 °C

Typical Performance Data



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532 03/14/06