RF AMPLIFIER MODEL *BXMP1042*

Available as: BXMP1042, SMA Connectorized Housing (H-7)
WNMP1042, 10 Pin 0.625" Sq. Gullwing Surface Mount (SG4)

Features

- High Output Power: +29 dBm Typical
- High Gain: 22 dB Typical
- Environmental Screening Available

Typical Intermodulation Performance at 25 ºC

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.)

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 ºC	MIN/MAX Ta = -10 ºC to +50 ºC
Frequency (MHz)	30 - 2000 MHz	30 - 2000 MHz
Gain (dB)	22	20 Min.
Power @ 1 dB Comp. (dBm)	+29	+28 Min.
Reverse Isolation (dB)	-40	-35 Max.
VSWR In Out	1.5:1 1.8:1	2.0:1 Max. 2.0:1 Max.
Noise Figure (dB)	4.0	6.0 Max.
Power Vdc mA	+15 350	+15 370 Max.

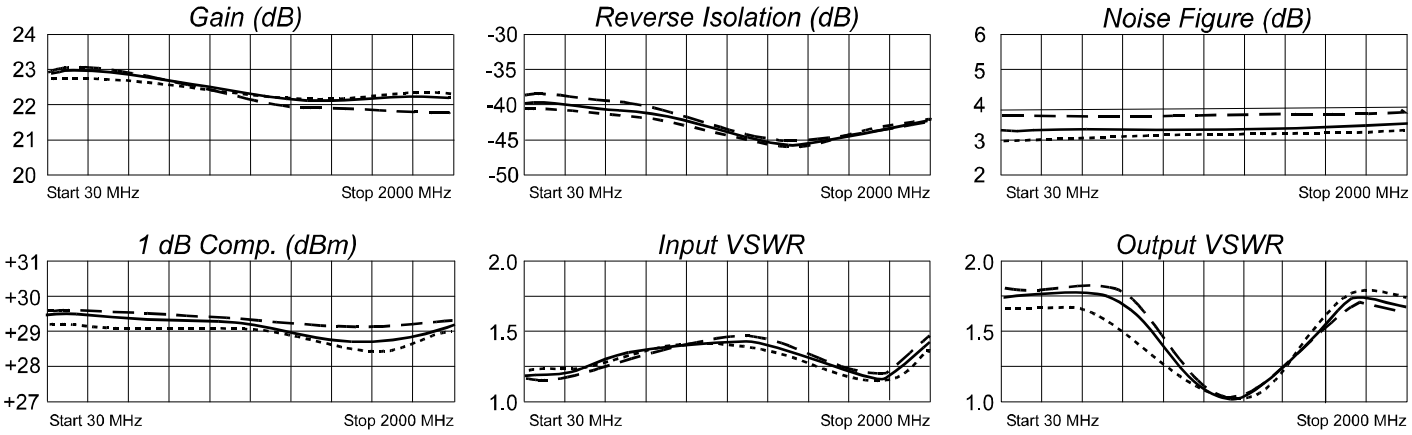
Note: Care should always be taken to effectively ground the case of each unit.

Revision 4/12/2012

Absolute Maximum (No Damage) Ratings

Ambient Operating Temperature ..... -55ºC to +100 ºC
Storage Temperature ..... -62ºC to +125 ºC
Case Temperature ..... +125 ºC
DC Voltage ..... +18 Volts
Continuous RF Input Power (CW) ..... +30 dBm
Maximum Peak Power..... 2 Watts (3 µsec Max.)

Typical Performance Data



Legend ——— *+25 ºC* – – – *+50 ºC* - - - - - - *-10 ºC*

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