RF AMPLIFIER MODEL *BXMP1005*

Medium Power Amplifier

Available as: WNMP1005, 10 Pin .625" Sq. Surface Mount (SG4)
BXMP1005, SMA Connectorized Housing

Features

- **High Power Output: 1 Watt**
- **Two Stage Gain: 21 dB**
- **SMA Connectorized Housing**

Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point ..... +66 dBm (Typ.)
Second Order Two Tone Intercept Point ..... +63 dBm (Typ.)
Third Order Two Tone Intercept Point..... +43 dBm (Typ.)

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
Frequency (MHz)	10 - 200 MHz	10 - 200 MHz
Gain (dB)	21	20 Min.
Power @ 1 dB Comp. (dBm)	30	28.5 Min.
Reverse Isolation (dB)	-15	-13 Max.
VSWR In Out	1.5:1 1.7:1	2:0:1 Max. 2:0:1 Max.
Noise figure (dB)	5.5	6.5 Max.
Power Vdc m A	+15 300	+15 320 Max.

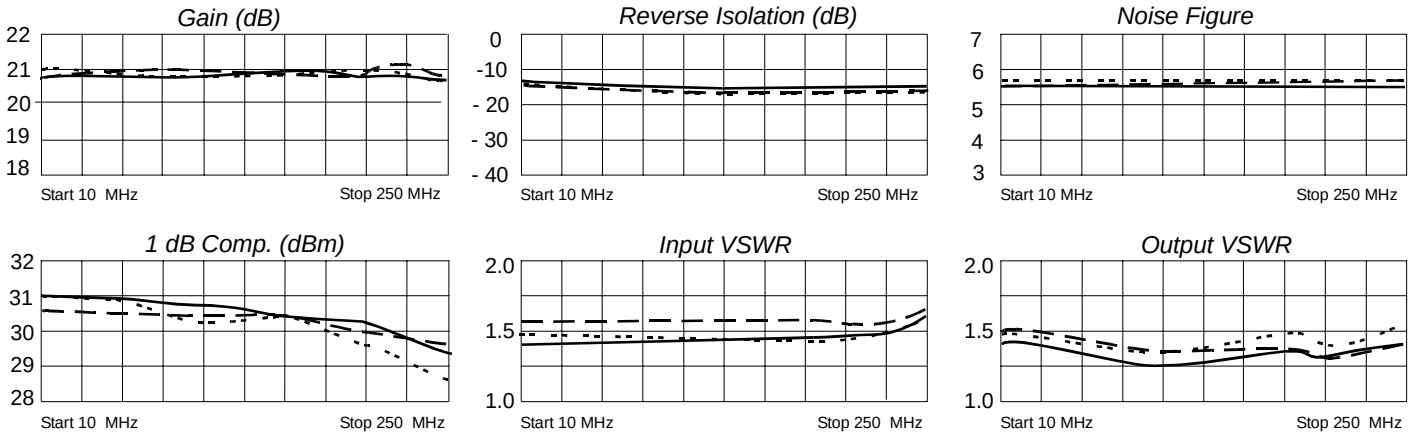
Note: Care should always be taken to effectively ground the case of each unit.

Maximum Ratings

Ambient Operating Temperature ..... -30ºC to + 85 ºC
Storage Temperature ..... -62ºC to + 125 ºC
Case Temperature ..... + 150 ºC
DC Voltage ..... + 18 Volts
Continuous RF Input Power ..... + 20 dBm
Short Term RF Input Power ... 200 Milliwatts (1 Minute Max.)
Maximum Peak Power ..... 0.2 Watt (3 µsec Max.)

Legend ——— *+ 25 ºC* — — — *+ 60ºC* - - - - - - *0 ºC*

Typical Performance Data



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