RF AMPLIFIER MODEL *BXMP1047*

Available as: SMA Replacable Female Connectors

Features

- High Output Power: +27 dBm Typical
- High Gain: 35 dB Typical
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 ºC	MIN/MAX Ta = -40 ºC to +85 ºC
Frequency	1000-3000 MHz	1000-3000 MHz
Gain (dB)	35	32 Min.
Power @ 1 dB Comp. (dBm)	+27	+25 Min.
Reverse Isolation (dB)	-50	-45
VSWR In Out	1.75:1 1.75:1	1.85:1 Max. 1.85:1 Max.
Noise Figure (dB)	2.0	2.6 Max.
Power Vdc mA	+15 280	+15 300 Max.

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

Intermodulation Performance at 25 ºC

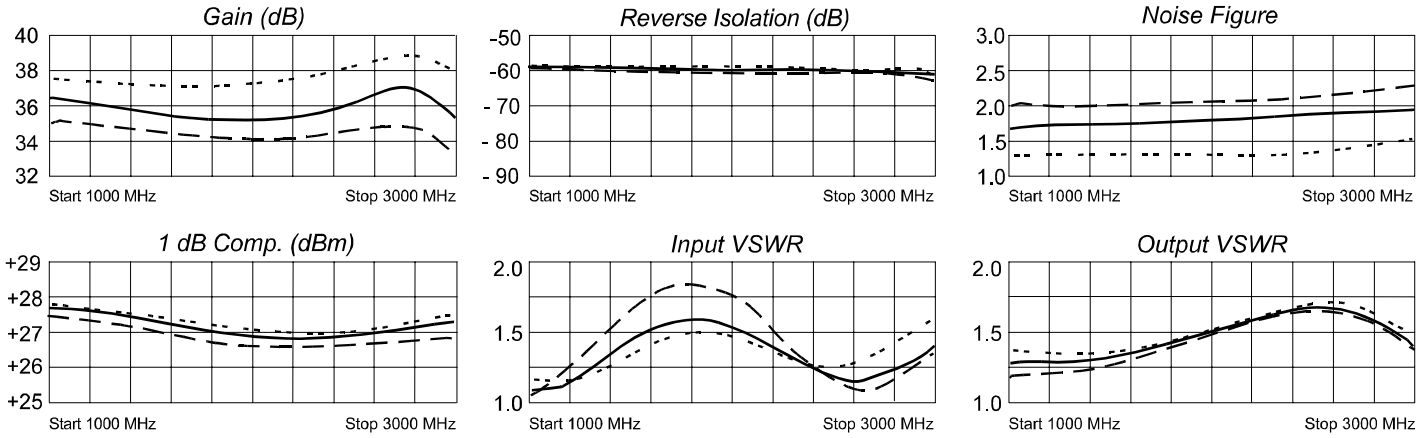
Second Order Harmonic Intercept Point ..... +55 dBm (Typ.)
Second Order Two Tone Intercept Point* ..... +49 dBm (Min.)
Third Order Two Tone Intercept Point* ..... +37 dBm (Min.)

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

Legend ——— *+25 ºC* – – – *+85 ºC* - - - - - - *-40 ºC*

Typical Performance Data



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