

RF AMPLIFIER

MODEL *BXMP1038*

Available as: BXMP1038, SMA Connectorized Housing

Features

- High Output Power: +30 dBm Typical
- Wide Bandwidth 20-3000 MHz
- High Gain: 42 dB Typical
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = 0 °C to +50 °C
Frequency	20- 3000 MHz	20 - 3000 MHz
Gain (dB)	42	40 Min.
Power @ 1 dB Comp. (dBm)	30	29 Min.
Reverse Isolation (dB)	- 50	- 45 Max.
VSWR In	1.5:1	2.0:1 Max.
Out	1.5:1	2.0:1 Max.
Noise Figure (dB)	5.0	6.0 Max.
Power Vdc	+15	+15 Min.
mA	550	600 Max.

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

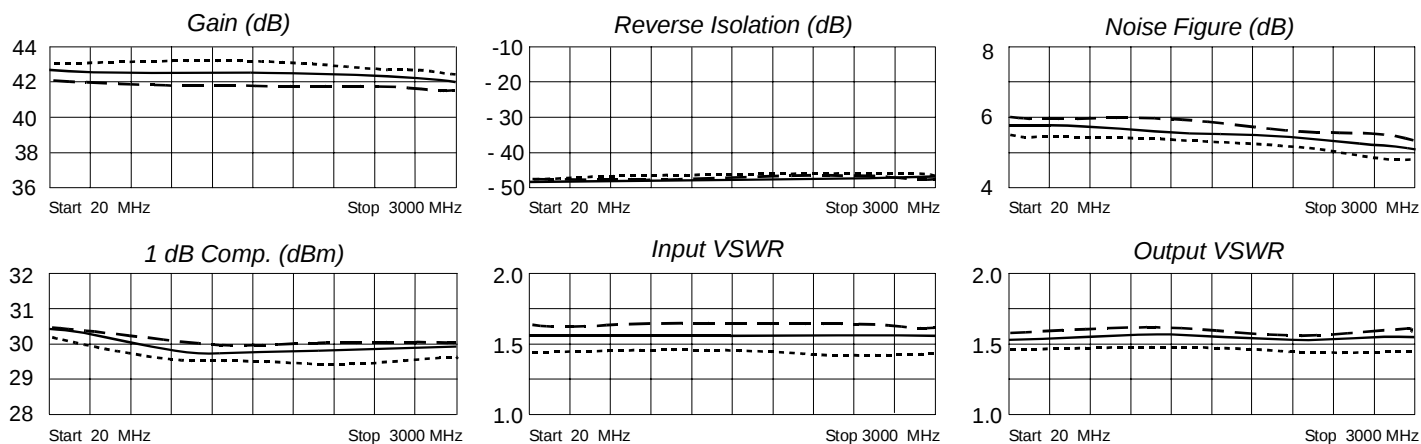
Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point..... +53 dBm (Typ.)
 Second Order Two Tone Intercept Point..... +49 dBm (Typ.)
 Third Order Two Tone Intercept Point..... +40 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 +13 dBm
 Short Term RF Input Power 50 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.5 Watt (3 µsec Max.)

Typical Performance Data



Legend ——— +25 °C --- +50 °C 0 °C



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