

RF AMPLIFIER

MODEL *BXMP1036*

Available as: BXMP1036, SMA Connectorized Housing

Features

- High Gain: 30 dB Typical
- Low Noise Figure: 2.0 dB Typical
- Operating Temp. - 40 °C to +85 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -40 °C to +85 °C
Frequency	500 - 3000 MHz	500 - 3000 MHz
Gain (dB)	30	28.5 Min.
Power @ 1 dB Comp. (dBm)	25	24 Min.
Reverse Isolation (dB)	-37	-33 Max.
VSWR In	1.75:1	2.0:1 Max.
Out	1.75:1	2.0:1 Max.
Noise Figure (dB)	2.0	3.0 Max.
Power Vdc	+15	+15
mA	280	300 Max.

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

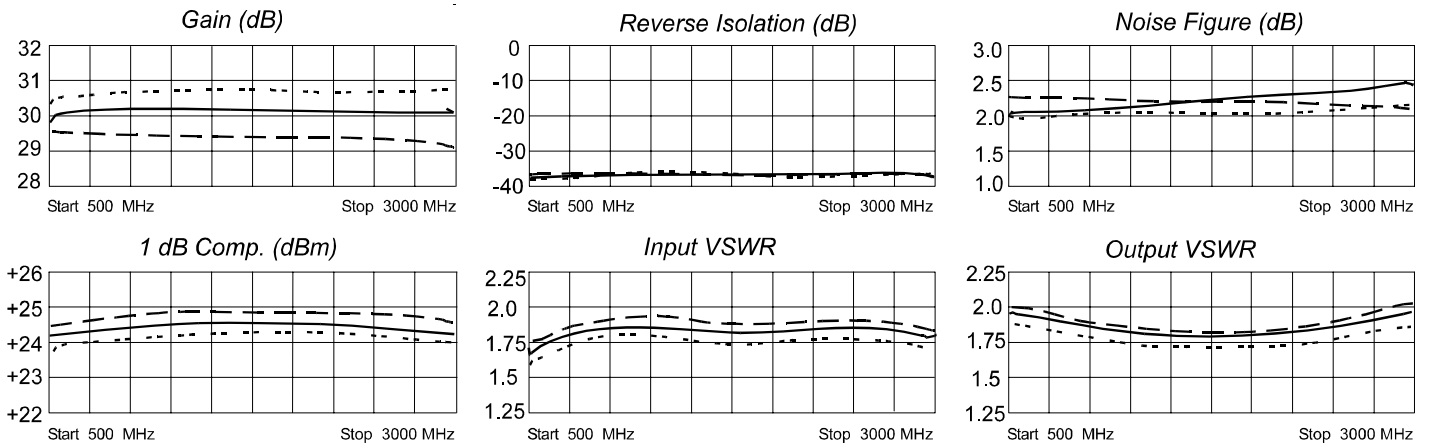
Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point+60 dBm (Typ.)
 Second Order Two Tone Intercept Point+55 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 - - - - +85 °C ······ -40 °C



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Rev.
11/16/07

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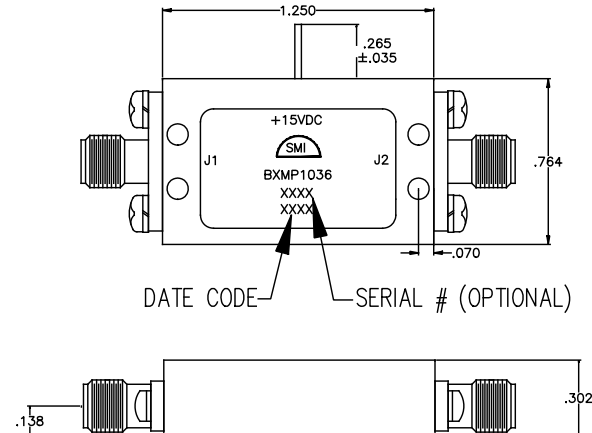
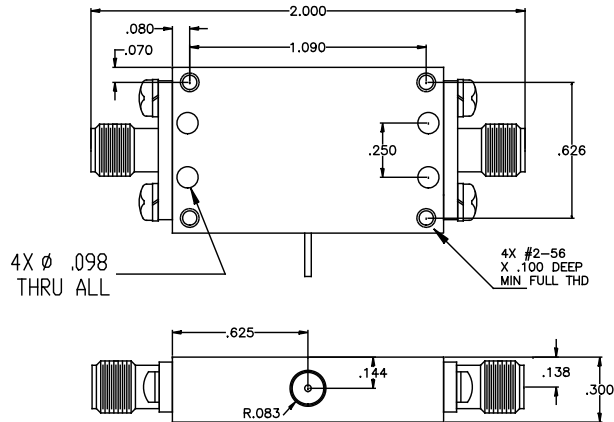
DWG NO. 088-00256 SH 1 of 1 REV -

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REVISIONS				
ECN	REV.	DESCRIPTION	CHNG/DATE	APPVD/DATE
ECN00407	-	ENGINEERING RELEASE	2011/11/17	2011/11/17 KHT

NOTES:

1. MATERIAL: 6061-T6-T6
2. FINISH: ELECTROLESS NICKLE PLATE



CAUTION

THIS ASSEMBLY CONTAINS PARTS SENSITIVE TO DAMAGE BY ELECTRO-STATIC DISCHARGE (ESD). USE ESD PRECAUTIONARY PROCEDURES WHEN TOUCHING, REMOVING OR INSERTING.

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DRWNG	HP	DATE	2011/11/17	TITLE	
CHECKED				OUTLINE DRAWING BXMP1036	
ENGRG	PHILLY	DATE	2011/11/17	SIZE	CAGE CODE
MFG				B	60979
QA				DWG NO.	088-00256
APPROVED	x			REV	-
DO NOT SCALE DRAWING				SCALE	10:1 PDM/PHILLY/RELEASED/088_OUTLINE
				SHEET	1 of 1

4

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