

RF AMPLIFIER

Available as: BXMP1035, SMA Connectorized Housing (088-00256)

MODEL BXMP1035

Features

- Higher Output Power: 24.5 dBm Typical
- High Gain: 38 dB Typical
- Operating Temp. - 55 °C to +85 °C
- Environmental Screening Available

Typical Intermodulation Performance at 25 ° C

- 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 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	500 - 3000 MHz	500 - 3000 MHz
Gain (dB)	38	37 Min.
Power @ 1 dB Comp. (dBm)	+24.5	+23.5 Min.
Reverse Isolation (dB)	-55	-50 Max.
VSWR In	1.8:1	2.0:1 Max.
Out	1.8:1	2.0:1 Max.
Noise Figure (dB)	2.0	2.5 Max.
Power Vdc	+15	+15
mA	220	250 Max.

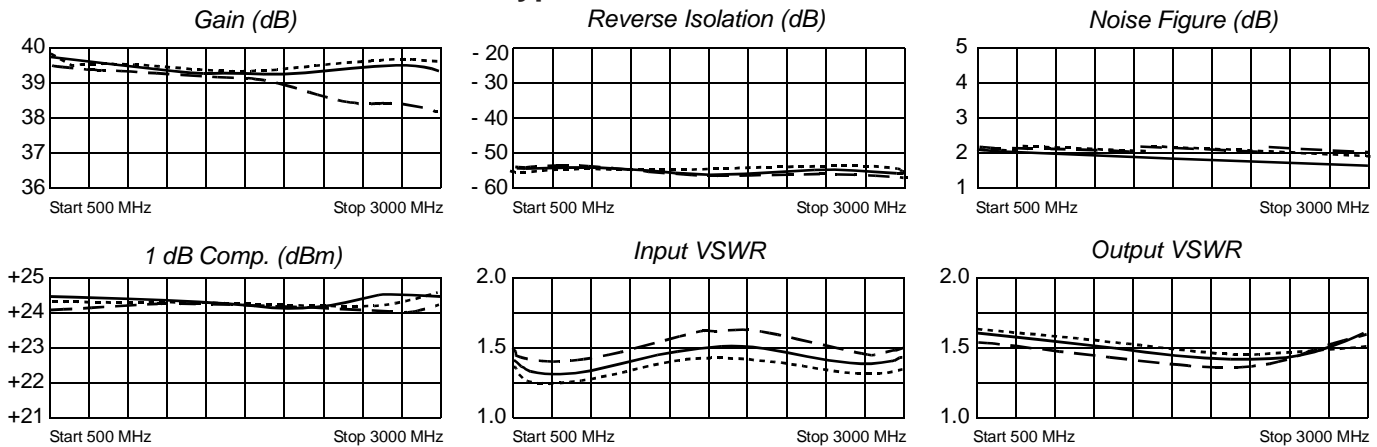
Maximum (NO DAMAGE) Ratings

- Ambient Operating Temperature -55°C to +100 °C
- Storage Temperature -62°C to +125 °C
- Case Temperature +95 °C
- DC Voltage +17 Volts
- Continuous RF Input Power +10 dBm
- Short Term RF Input Power 50 Milliwatts (1 Minute Max.)
- Maximum Peak Power 0.5 Watt (3 µsec Max.)

Revision 5-24-2021

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

Typical Performance Data



Legend ——— +25 °C - - - - +85 °C ······ -55 °C



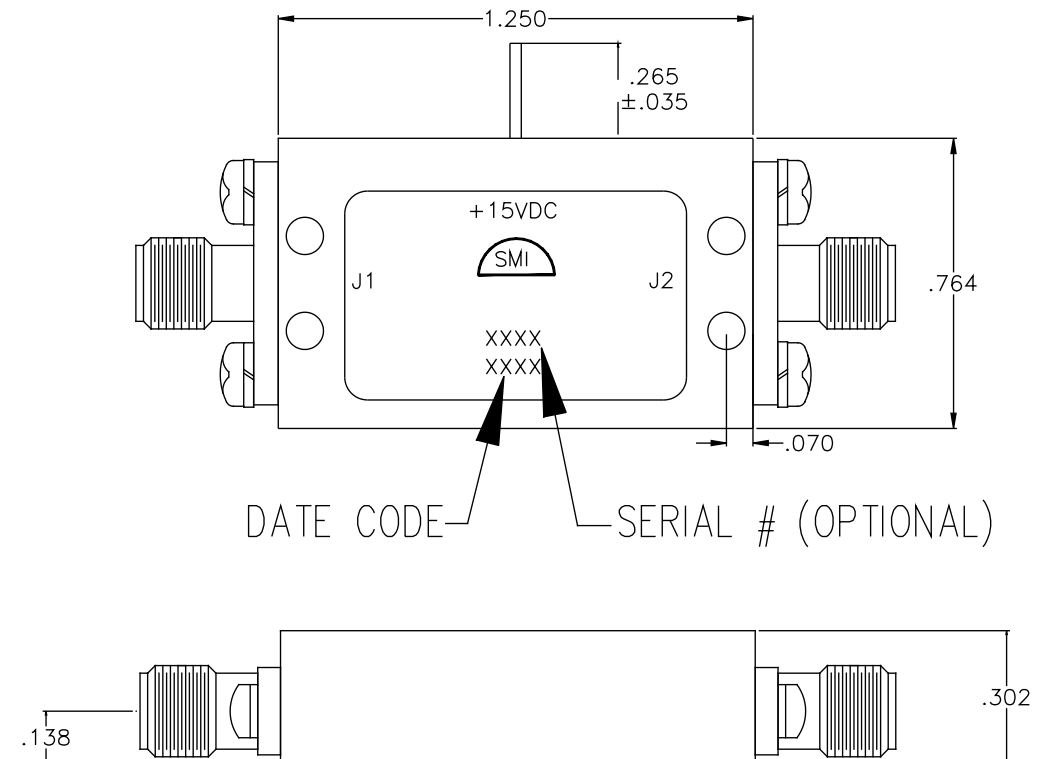
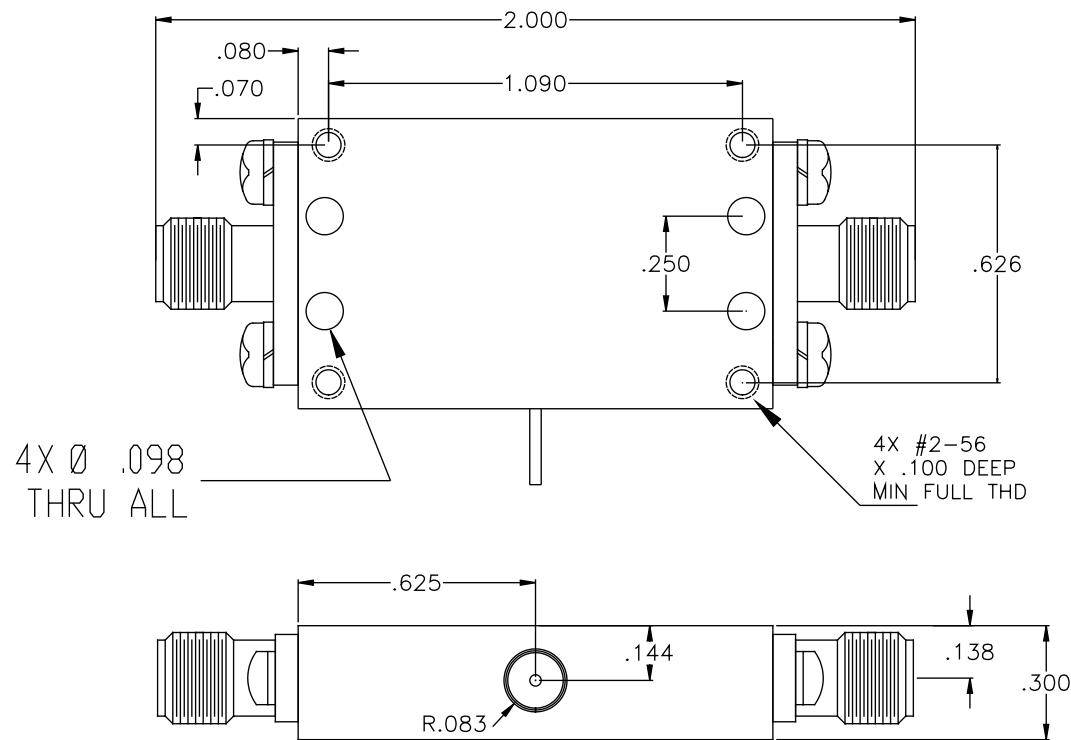
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REVISIONS				
ECN	REV.	DESCRIPTION	CHNG/DATE	APPVD/DATE
ECN00407	-	ENGINEERING RELEASE	2011/11/17	2011/11/17 KHT

NOTES:

- MATERIAL: 6061-T6-T6
- 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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UNLESS OTHERWISE SPECIFIED		3rd ANGLE PROJECTION ANSI		SPECTRUM MICROWAVE, INC 2707 BLACK LAKE PLACE PHILADELPHIA PA, 19154 (USA)		
DRAWN HP	DATE 2011/11/17	TITLE OUTLINE DRAWING				
CHECKED		SIZE B	CAGE CODE 60979	DWG NO. 088-00256	REV -	
ENGRG PHAM.H	2011/11/17	SCALE: 10:1 PDM/PHILLY/RELEASED/088_OUTLINE				
MFG		SHEET 1 of 1				
QA						
APPROVED X	X					