RF AMPLIFIER MODEL *TM9064*

Available as: TM9064, 4 Pin 0.500" TO-8 (T4)
TN9064, 4 Pin 0.450" Sq. Surface Mount (SM3)
BX9064, SMA Connectorized Housing (H1L-Laser)
BXP9064, SMA Connectorized Housing (HPak)

Features

- Ultra Broad Bandwidth 100-3000 MHz
- High Gain: 18.5 dB Typical
- Cross to the Cougar AC3064, our Model BX9064
- Cross to the Cougar ACP3064, our Model BXP9064
- Screening to the Tables of MIL-STD-883 Available

Typical Intermodulation Performance at 25 ºC

Second Order Harmonic Intercept Point.....+52 dBm (Typ.)
Second Order Two Tone Intercept Point.....+46 dBm (Typ.)
Third Order Two Tone Intercept Point.....+27 dBm (Typ.)
(Typical at 25ºC under a +15 volt supply)

Specifications

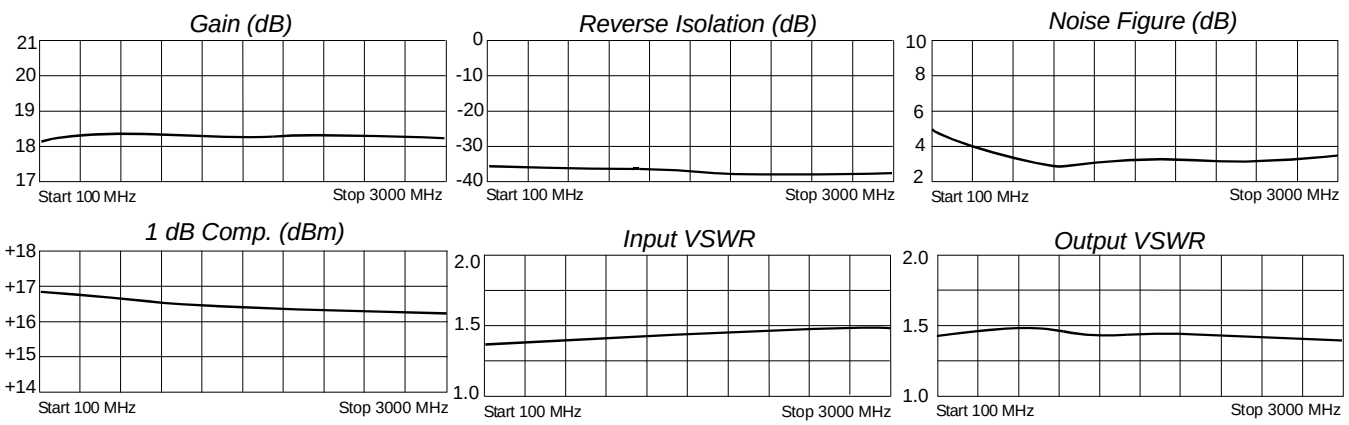
CHARACTERISTIC	TYPICAL Ta= 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
Frequency	100 - 3000 MHz	100 - 3000 MHz
Gain	18.5 dB	16.5 dB Min.
Gain Flatness	+/- 0.3 dB	+/- 0.8 dB Max.
Noise Figure (dB) (400-3000 MHz) (100-400 MHz)	 3.3 dB 4.5 dB	 4.5 dB Max. 5.5 dB Max.
VSWR In Out	1.5:1 1.5:1	2.0:1 Max. 2.0:1 Max.
Power Output @ 1 dB Comp. (dBm)	 +16.5 dBm	 +15.0 dBm
Reverse Isolation (dB)	 -36 dB	 -
Power Vdc mA	+15 80	+15 88 Max.

Maximum (No Damage) Ratings

Ambient Operating Temperature .....-55ºC to +100 ºC
Storage Temperature .....-62ºC to +125 ºC
Case Temperature .....+125 ºC
DC Voltage ..... +17 Volts
Continuous RF Input Power ..... +13 dBm
Short Term RF Input Power .... 100 Milliwatts (1 Minute Max.)
Maximum Peak Power ..... 0.5 Watt (3 µsec Max.)

Note: Care should always be taken to effectively ground the case of each unit.
Revision 5/16/2012

Typical Performance Data



Legend ——— *+25 ºC* – – – *+85 ºC* - - - - - - *-55 ºC*

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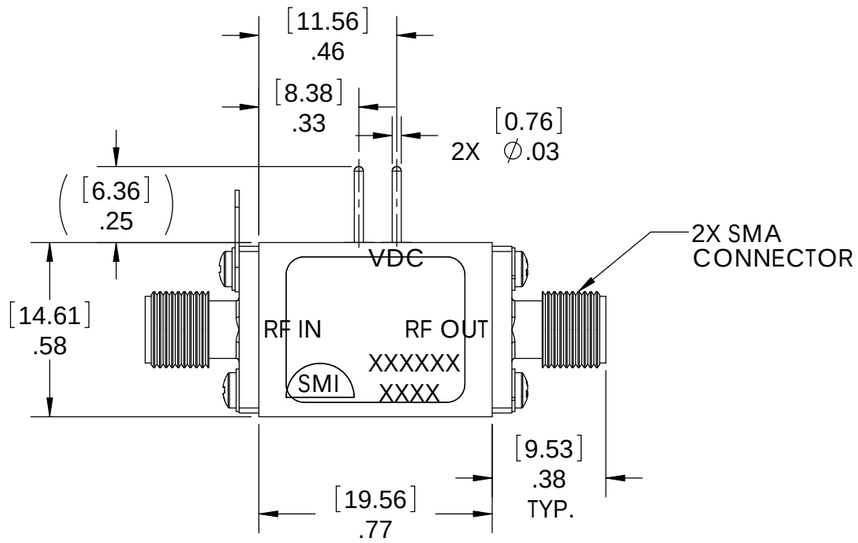
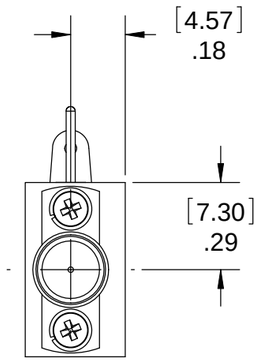
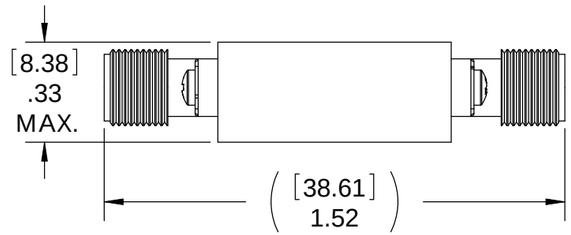
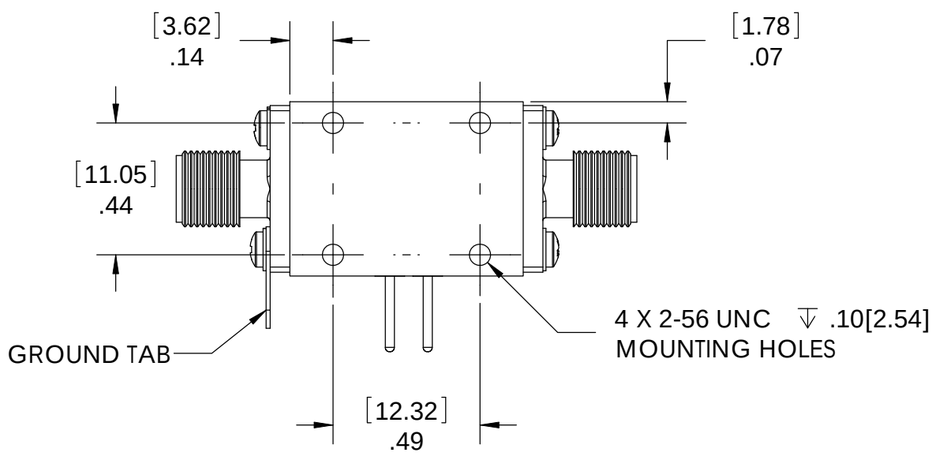
DWG NO.	SH	REV
088-00304	1 OF 1	P1

REVISIONS				
ECN	REV.	DESCRIPTION	CHNG/DATE	APPVD/DATE
XXX	P1	PRELIMINARY RELEASE	2012/05/14	









CAUTION

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

SEE SEPARATE PARTS LIST IN ELECTRONIC STORAGE

UNLESS OTHERWISE SPECIFIED

* INTERPRET DRAWING IAW ASME Y14.100-2004
* DIMENSIONING AND TOLERANCING IAW ASME Y14.5-1994
* PARENTHETICAL INFORMATION FOR REFERENCE ONLY
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
* DIMENSIONS ARE IN INCHES
* TOLERANCES ARE: ANGLES ±1.0° 2 PLACE DECIMAL ±.02 3 PLACE DECIMAL ±.005
* SURFACE FINISH 63
* REMOVE ALL BURRS AND SHARP EDGES .010 RAD MAX.
* CONCENTRICITY MACHINED DIA: .002 FIM
* MACHINED TOOL MISMATCH: .002 MAX.

DO NOT SCALE DRAWING

3rd ANGLE PROJECTION
ANSI

DRAWN	WAR	2012/05/14
CHECKED		
ENGRG	H PHAM	2012/05/14
MFG		
QA		

SPECTRUM MICROWAVE, INC
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TITLE

OUTLINE, HPAK

SIZE	CAGE CODE	DWG NO.	REV
B	60979	088-00304	P1

SCALE: 1.5:1 SHEET 1 OF 1

COMPUTER ASSISTED DRAWING
GENERATED USING SOLIDWORKS 2007

FORM NO. 1054 SIZE B1