

**SPECIFICATIONS**

Frequency Tuning

Frequency Range  
 Voltage Range (SMC Male)  
 Input Impedance  
 FM Bandwidth

50 - 100 MHz  
 +1.5 to +13.5 V nominal  
 10 kOhms  
 35 kHz

Modulation Input

Input Impedance  
 Analog Input (SMB Male)  
 Dynamic Range

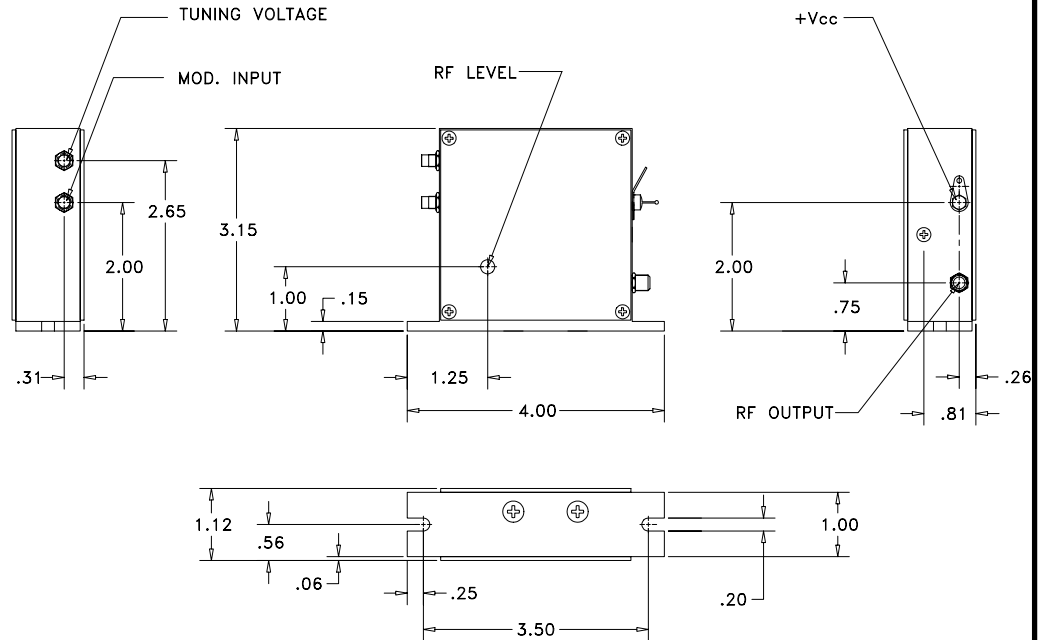
50 Ohms  
 0 to +1.0 VDC  
 30 dB nominal

RF Output

Output Power (SMA Female)  
 Power Supply Voltage (+Vcc)  
 Output Impedance  
 Output VSWR  
 Modulation Bandwidth

2.0 W  
 +28 V @ 650 mA  
 50 Ohms  
 1.5 : 1 Max  
 See Note 4

**OUTLINE DRAWING**



Notes:

1. The slope of the RF output power vs. the input signal voltage curve shall be non-zero and positive at all points between 0 and 1.0 Volts input, inclusive.
2. Output power factory set to 2 W at 1 Volt input. Power stability less than 5% over the heat sink's ambient temperature range of 0-40° C, after 5 minute warm-up.
3. When calculating the contrast ratio, it is understood that only the power of the 80 MHz fundamental shall be used. The higher harmonics have no effect on the AO modulator's performance.
4. The RF modulation bandwidth is equal to 1/2 of the carrier frequency.

**For Reference Only**

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 11/2/1998	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AODR 1080AF-AEN0-2.0</b>
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-02207-04
			REV: 0
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