

**SPECIFICATIONS**

**OUTLINE DRAWING**

Modulation Input

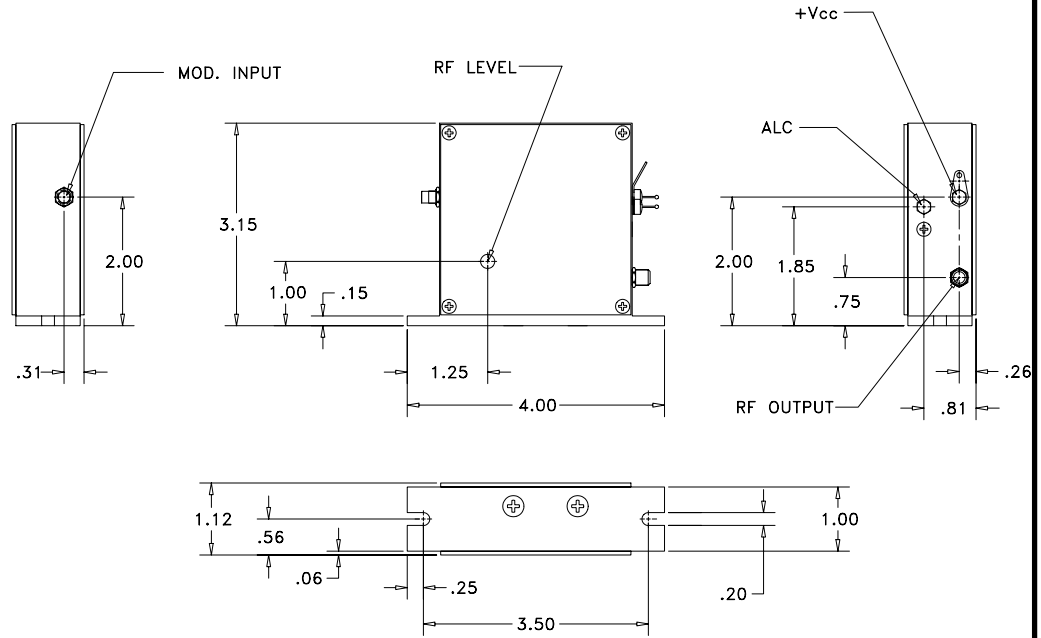
Input Impedance  
Analog Input (SMB Male)

50 Ohms  
0 to +1.0 VDC

RF Output

Center Frequency (Fc)  
Output Power (SMA Female)  
Rise/Fall Time  
RF Contrast Ratio  
Harmonic Distortion  
Output Impedance  
Output VSWR  
Modulation Bandwidth  
Power Supply Voltage (+Vcc)

200 MHz  $\pm$  0.1%  
2.0 W  
5 nsec Max  
35 dB min  
-30 dBc  
50 Ohms  
1.5 : 1 Max  
140 MHz  
+28 V @ 600 mA



Notes:

1. Output power factory set to 2 W at +1.00 V input. Power stability less than 5% over the heat sink's ambient temperature range of 0-40° C, after 5 minute warm-up.
2. When calculating the contrast ratio, it is understood that only the power of the 200 MHz fundamental shall be used. The higher harmonics have no effect on the AO modulator's performance.

**For Reference Only**

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TOLERANCES: .XX $\pm$ .01 .XXX $\pm$ .005	DR	G. Scholz 9/12/2002	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AODR 1200AF-AIF0-2.0</b>
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-02207-18
			REV: D
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