

**SPECIFICATIONS**

**Frequency Tuning**

Frequency Range  
 Voltage Range (SMC Male)  
 Source Impedance  
 FM modulation bandwidth

195-205 MHz  
 +6.5 to +7.5V nominal  
 10 kOhms  
 90 KHz

**Modulation Input**

Input Impedance  
 Digital Input (SMB Male)  
 Dynamic Range

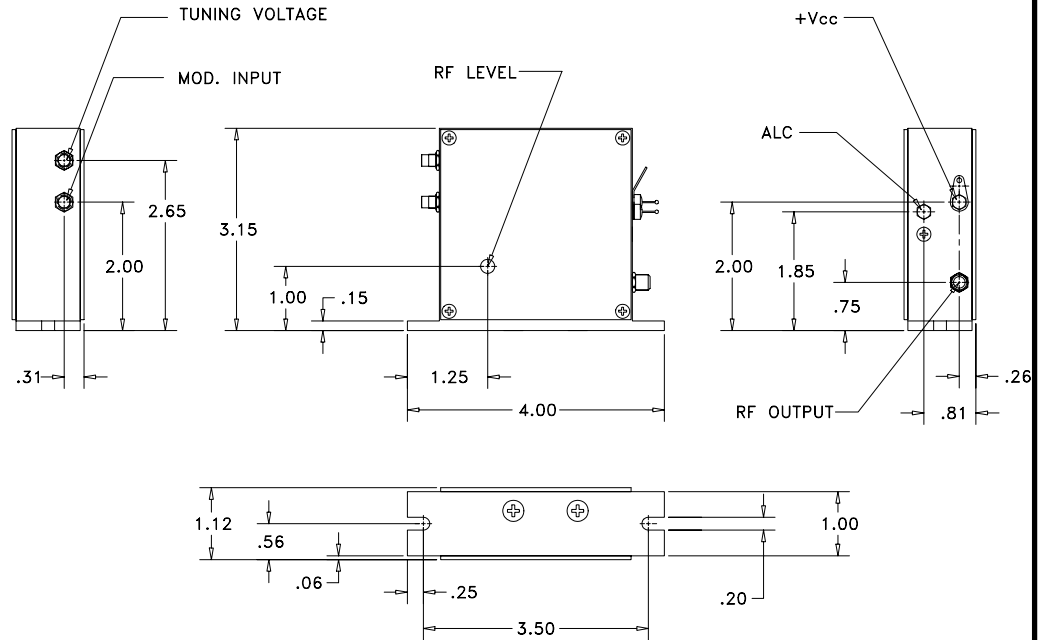
200 Ohms  
 Standard TTL Levels  
 30 dB nominal

**RF Output**

Output Power  
 Output Connector  
 RF Equalization Control (ALC)  
 ALC Voltages  
 Power Supply Voltage (Vcc)  
 Output Impedance  
 Output VSWR

1.0 W  
 SMA Female  
 Positive Slope  
 +3.5 to +16 V nominal  
 +24 V @ 450 mA  
 50 Ohms  
 1.5 : 1 Max

**OUTLINE DRAWING**



**Notes:**

1. Output power factory set to 1 W at a 2.4 V, 30 mA 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.
3. The RF modulation bandwidth is equal to 1/2 of the carrier frequency.
4. Retrace time < 20 µsec. Tuning source impedance 50 Ohms.

**For Reference Only**

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 11/9/2000	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AODR 1200AF-DEF0-1.0</b>
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-02207-28
			REV: A
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