

**SPECIFICATIONS**

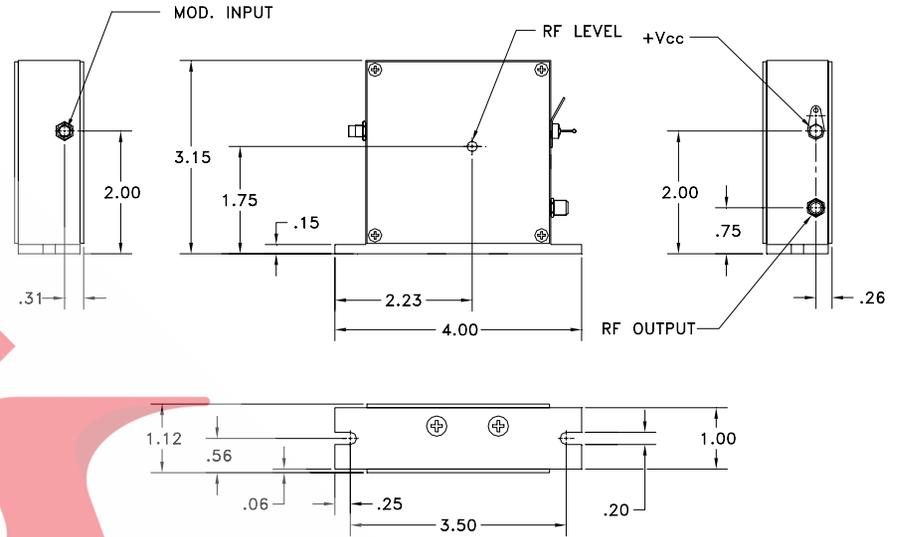
**OUTLINE DRAWING**

Modulation Input

Input Impedance 50 Ohms  
 Analog Input (SMC) 0 to +1.0 VDC

RF Output

Center Frequency (Fc) 200 MHz  $\pm$  0.1%  
 Output Power (SMA Female) 2.5 W  
 Rise/Fall Time 5 nsec Max  
 RF Contrast Ratio 50 dB min  
 Harmonic Distortion -20 dBc  
 Output Impedance 50 Ohms  
 Output VSWR 1.5 : 1 Max  
 Power Supply Voltage +24 V @ 775 mA



Notes:

1. Output power factory set to 2.5 W at 1.0 Volt 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. RoHS compliant.

**Document**  
**10/18/10**  
**Control**

THIS DOCUMENT IS THE PROPERTY OF CRYSTAL TECHNOLOGY, INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES OF CRYSTAL TECHNOLOGY AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTERS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF CRYSTAL TECHNOLOGY.

TOLERANCES: .XX $\pm$ .01 .XXX $\pm$ .005	DR	T. Moon 10/4/2010	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AODR 1200AF-AINA-2.5 HCR</b>
MATERIAL: 	CHK		
FINISH: 	APP		
	APP	PART NUMBER: 97-02910-04	REV: B
			1 of 1