

## SPECIFICATIONS

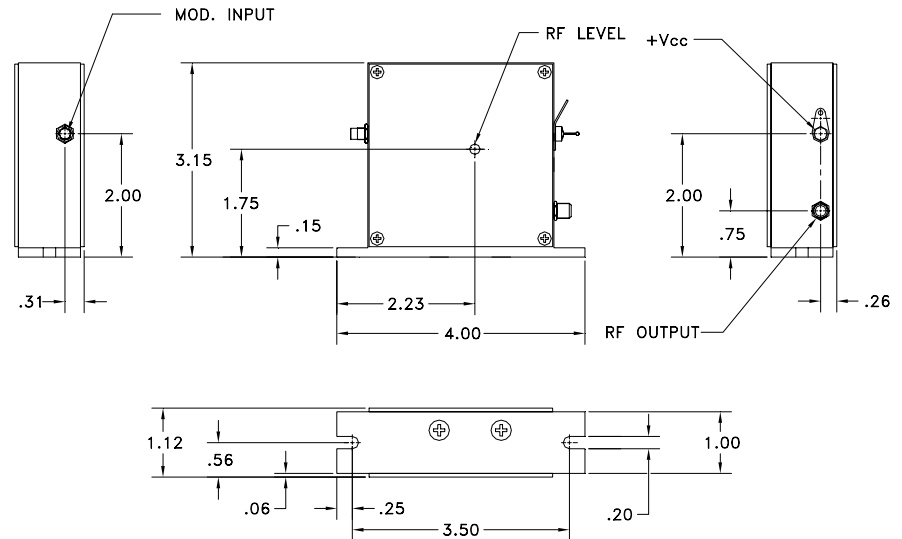
### Modulation Input

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

## OUTLINE DRAWING



### Notes:

- 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.
- 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.
- RoHS compliant.

### Ordering Information:



800 Village Walk #316  
 Guilford, CT 06437  
 Ph: 203-401-8093

Email orders to: [sales@xsoptix.com](mailto:sales@xsoptix.com)  
 Fax orders to: 800-878-7282

**Document**  
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**Control**

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