

SPECIFICATIONS

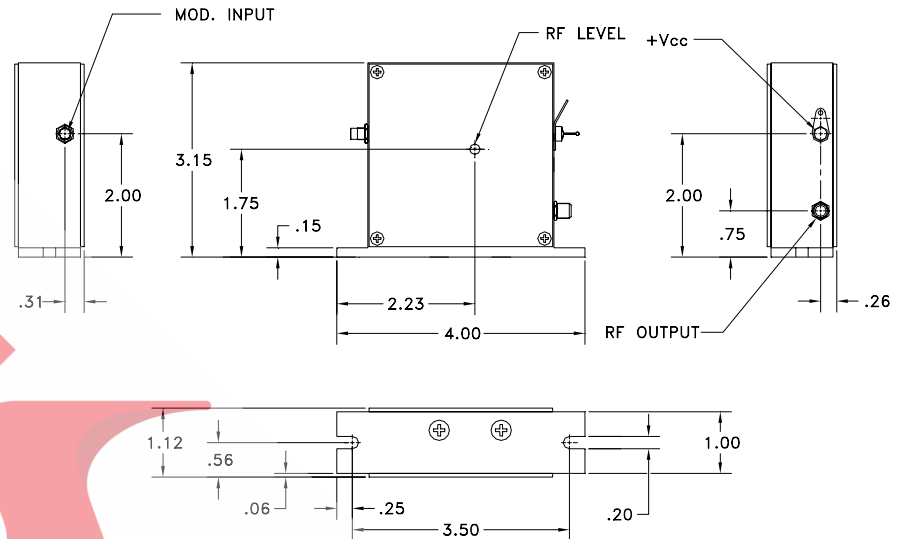
Modulation Input

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

RF Output

Center Frequency (Fc) 80 MHz $\pm 0.1\%$
Output Power (SMA Female) 3.0 W
Rise/Fall Time 12 nsec Typ.
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 3.0 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.
- 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.
- RoHS Compliant.

Document

01/12/12

Control

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TOLERANCES: .XX $\pm .01$.XXX $\pm .005$	DR	Geri Scholz 1/9/2012	Crystal Technology, LLC		
MATERIAL:	CHK		DESCRIPTION: AODR 1080AF-AINA-3.0 HCR		
FINISH:	APP				
	APP		PART NUMBER: 97-02910-18	REV: 1	1 of 1