

SPECIFICATIONS

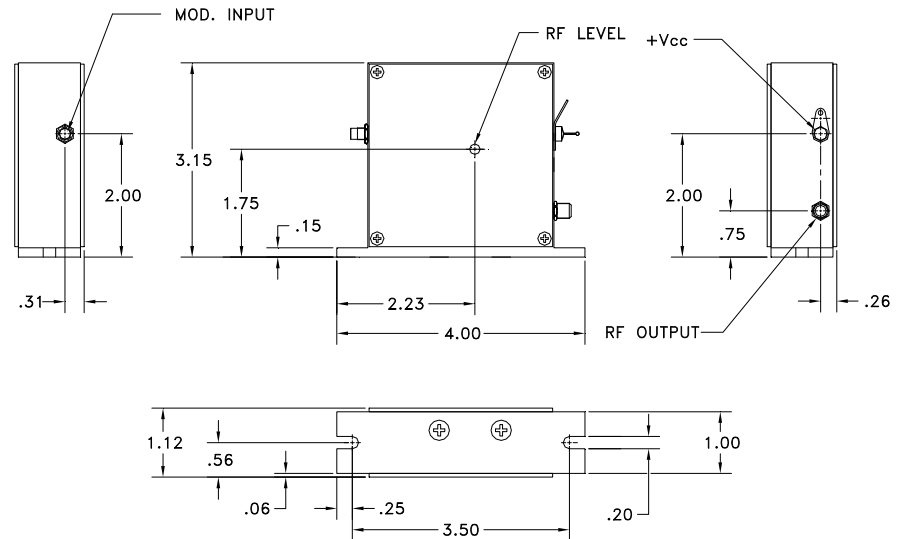
Modulation Input

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 Max
 Output Impedance 50 Ohms
 Output VSWR 1.5 : 1 Max
 Power Supply Voltage +24 V @ 800 mA Nominal

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
10/16/13
Control

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

TOLERANCES: .XX \pm .01 .XXX \pm .005	DR	Gerl Scholz 8/21/2013	 DESCRIPTION: AODR 1080AF-AINA-3.0 HCR	
MATERIAL: 	CHK			
FINISH: 	APP		PART NUMBER:	REV:
	APP		97-02910-18	C
			1 of 1	