SPECIFICATIONS

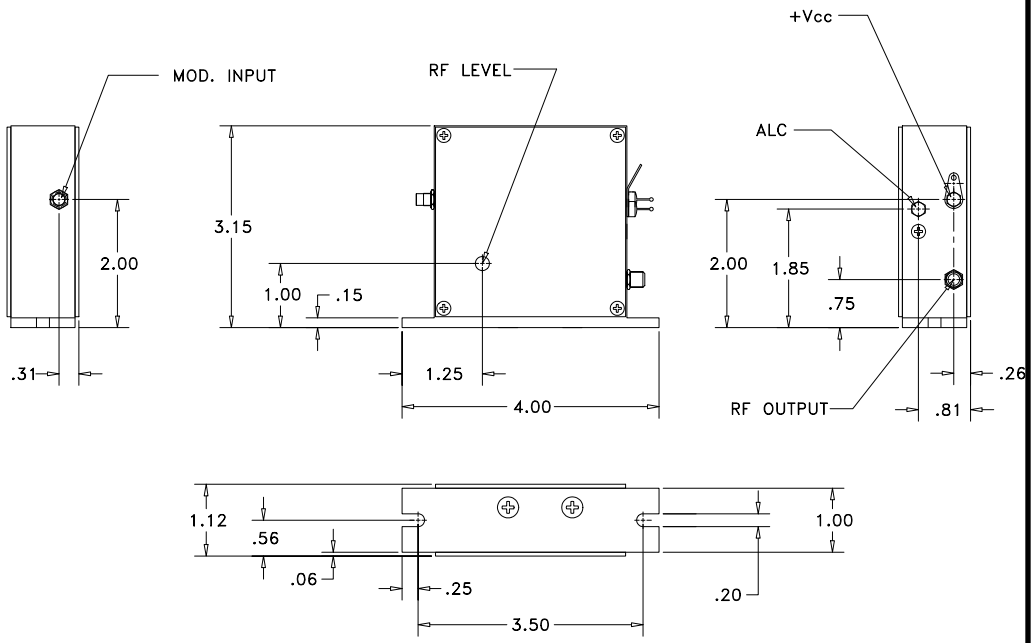
Modulation Input

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

RF Output

Center Frequency (Fc)	200 MHz ± 0.1%
Output Power (SMA Female)	1.0 W
Rise/Fall Time	5 nsec Typ.
RF Contrast Ratio	35 dB min
Harmonic Distortion	-20 dBc
Output Impedance	50 Ohms
Output VSWR	1.5 : 1 Max
Modulation Bandwidth	100 MHz
Power Supply Voltage (+Vcc)	+24 V @ 550 mA
ALC Voltage Level	+3.5 to +21 V nominal

OUTLINE DRAWING



Notes:

1. Output power factory set to 1 W at a 1.0 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. A +21 Volt nominal input on the ALC corresponds to full RF output power. Zero RF power occurs at an ALC voltage below +3.5 Volts. Full RF power occurs if ALC input is left unconnected.

Document

10/16/13

Control

TOLERANCES: .XX ± .01, .XXX ± .005	DR	Geri Scholz 10/14/2013	Gooch & Housego		
MATERIAL: RoHS Compliant	CHK		DESCRIPTION: AODR 1200AF-AIF0-1.0		
FINISH:	APP				
	APP		PART NUMBER: 97-03307-27	REV: A	1 of 1