

SPECIFICATIONS

Modulation Input

Input Impedance

50 Ohms

Digital Input (SMB Male)

Standard TTL Levels

RF Output

Center Frequency (Fc)

200 MHz \pm 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

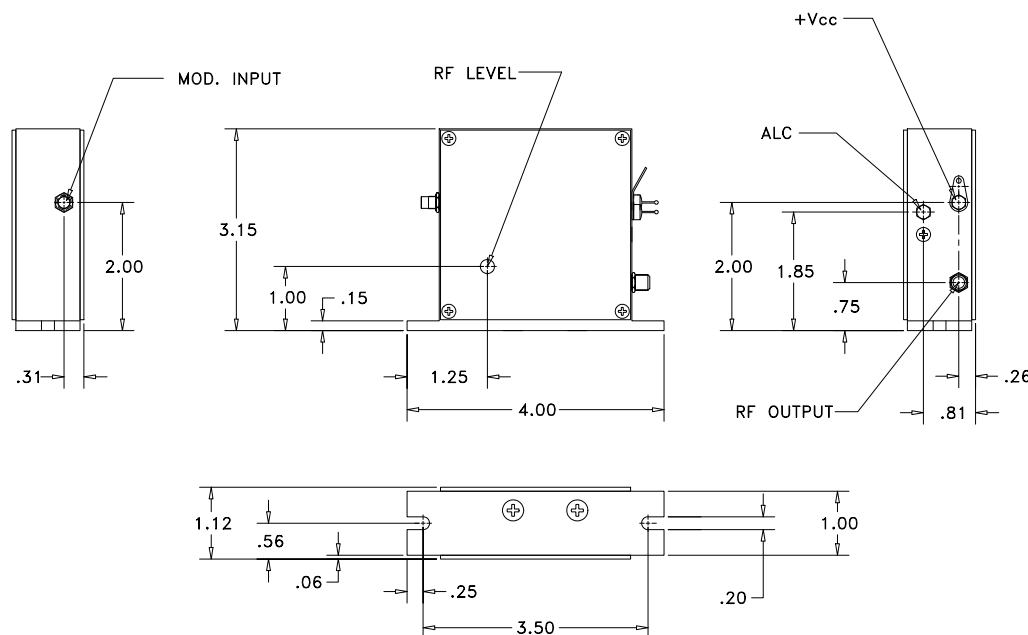
100 MHz

Power Supply Voltage (+Vcc)

+24 V @ 550 mA

ALC Voltage Level

+3.5 to +21 V nominal



Notes:

1. Output power factory set to 1 W at a 2.4 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

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TOLERANCES: .XX \pm .01 .XXX \pm .005	DR	Geri Scholz 10/14/2013	Gooch & Housego		
MATERIAL: RoHS	CHK		DESCRIPTION: AODR 1200AF-DIF0-1.0		
FINISH: Compliant	APP				
	APP		PART NUMBER: 97-03307-26	REV: C	1 of 1