

SPECIFICATIONS

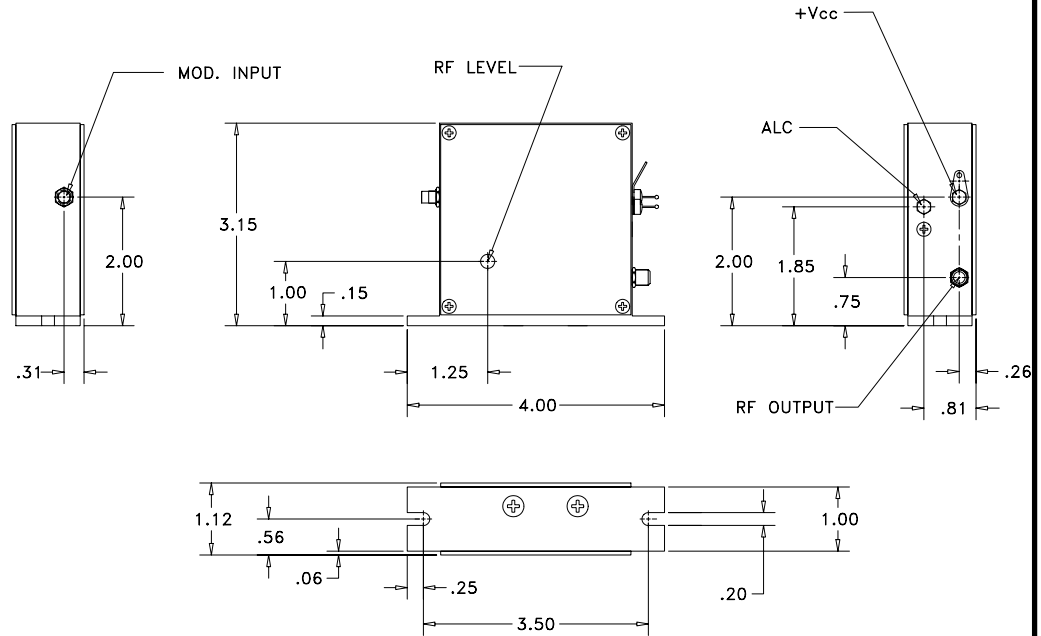
OUTLINE DRAWING

Modulation Input

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

RF Output

Center Frequency (Fc) 110 MHz ± 0.1%
 Output Power (SMA Female) 2.0 W
 Rise/Fall Time 12 nsec Typ.
 RF Contrast Ratio 35 dB min
 Harmonic Distortion -30 dBc
 Output Impedance 50 Ohms
 Output VSWR 1.5 : 1 Max
 Bandwidth 60 MHz
 Power Supply Voltage (+Vcc) +28 V @ 600 mA



Notes:

1. The slope of the RF output power vs. the input signal voltage curve shall be non-zero and positive at all points between 0 and 1.0 Volts input, inclusive.
2. Output power factory set to 2 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.
3. When calculating the contrast ratio, it is understood that only the power of the 110 MHz fundamental shall be used. The higher harmonics have no effect on the AO modulator's performance.

For Reference Only

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 12/3/1997	Crystal Technology, Inc. DESCRIPTION: AODR 1110AF-AIF0-2.0
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-02207-13
			REV: B
			1 of 1