

SPECIFICATIONS

Frequency Tuning

Frequency Range
 Voltage Range (SMC Male)
 Input Impedance
 FM Bandwidth

150 - 280 MHz
 +2 to +15 V nominal
 10 kOhms nominal
 35 KHz

Modulation Input

Input Impedance
 Analog Input (SMB Male)
 Dynamic Range

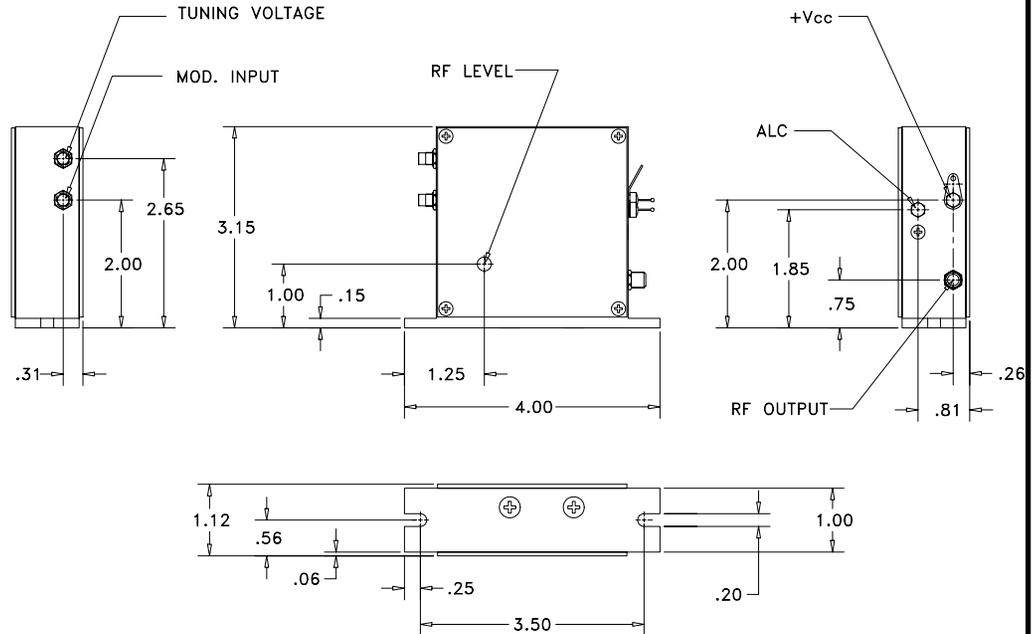
50 Ohms
 0 V to +1.0 V
 30 dB nominal

RF Output

Output Power (SMA Female)
 RF Equalization Control (ALC)
 ALC Voltages
 Power Supply Voltage (+Vcc)
 Output Impedance
 Output VSWR
 Modulation Bandwidth

1.0 W
 Positive Slope
 +3.5 to +18 V nominal
 +24 V @ 450 mA
 50 Ohms
 1.5 : 1 Max
 See Note 4

OUTLINE DRAWING



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 1.0 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.
3. 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.
4. The RF modulation bandwidth is equal to 1/2 of the carrier frequency.

For Reference Only

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 12/18/2001	Crystal Technology, Inc.	
MATERIAL:	CHK		DESCRIPTION: AODR 1200AF-AEF0-1.0	
FINISH:	APP		PART NUMBER:	REV:
	APP		97-02207-17	A
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