

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

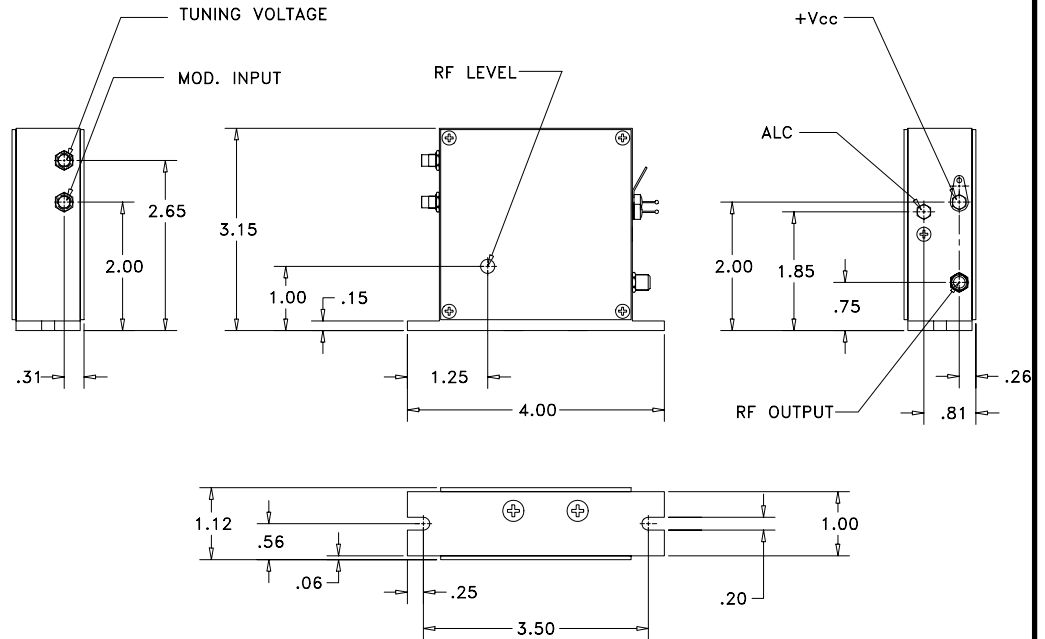
Input Impedance
Analog Input (SMB Male)
Dynamic Range

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



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. DESCRIPTION: AODR 1200AF-AEF0-1.0
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-02207-17
			REV: A
			1 of 1