

SPECIFICATIONS

Modulation Input

Input Impedance
Digital Input (SMC)

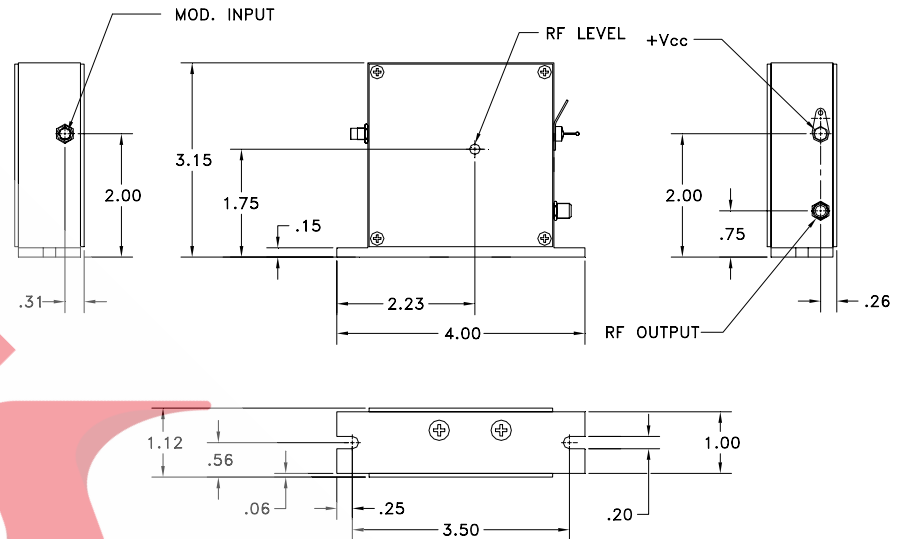
75 Ohms
Standard TTL

RF Output

Center Frequency (Fc)
Output Power (SMA Female)
Rise/Fall Time
RF Contrast Ratio
Harmonic Distortion
Output Impedance
Output VSWR
Power Supply Voltage

80 MHz $\pm 0.1\%$
3.0 W
12 nsec Typ.
50 dB min
-20 dBc
50 Ohms
1.5 : 1 Max
+24 V @ 775 mA

OUTLINE DRAWING



Notes:

- Output power factory set to 3.0 W at 2.4 Volt input. Power stability less than 5% over the heat sink's ambient temperature range of 0 - 40° C, after 5 minute warm-up.
- When calculating the contrast ratio, it is understood that only the power of the 80 MHz fundamental shall be used. The higher harmonics have no effect on the AO modulator's performance.
- RoHS compliant

Document
01/12/12
Control

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TOLERANCES: .XX $\pm .01$.XXX $\pm .005$	DR	Gerl Scholz 1/9/2012	Crystal Technology, LLC		
MATERIAL:	CHK		DESCRIPTION: AODR 1080AF-DINA-3.0 HCR		
FINISH:	APP				
	APP		PART NUMBER: 97-02910-19	REV: 1	1 of 1