

SPECIFICATIONS

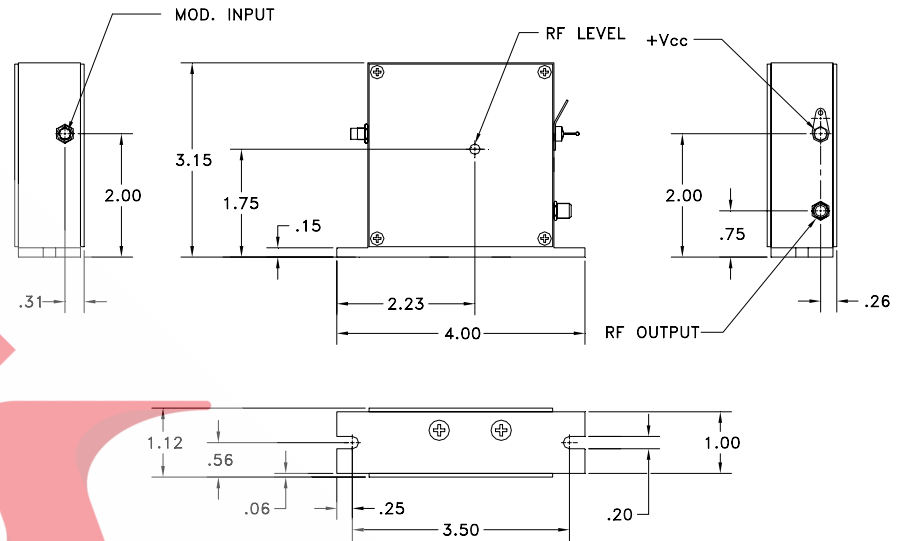
OUTLINE DRAWING

Modulation Input

Input Impedance 75 Ohms
 Digital Input (SMC) Standard TTL

RF Output



Center Frequency (Fc) 80 MHz \pm 0.1%
 Output Power (SMA Female) 3.0 W
 Rise/Fall Time 12 nsec Typ.
 RF Contrast Ratio 50 dB min
 Harmonic Distortion -20 dBc
 Output Impedance 50 Ohms
 Output VSWR 1.5 : 1 Max
 Power Supply Voltage +24 V @ 775 mA



Notes:
 1. 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.
 2. 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.
 3. RoHS compliant

Document
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Control

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