

SPECIFICATIONS

Modulation Input

Input Impedance 50 Ohms
Analog Input (SMC) 0 to +1.0 VDC

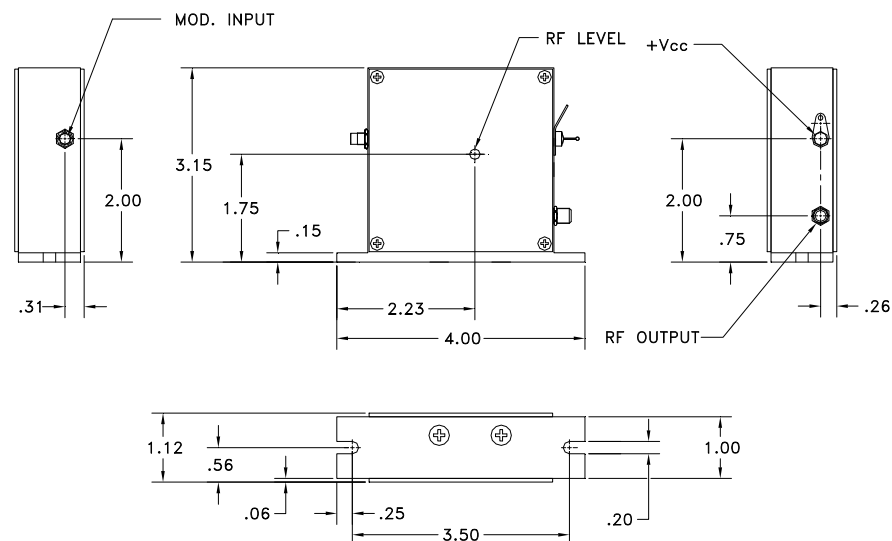
RF Output

Center Frequency (Fc) 150 MHz \pm 0.1%
Output Power (SMA Female) 2.5 W
Rise/Fall Time 7 nsec Typ.
RF Contrast Ratio 45 dB min
Harmonic Distortion -20 dBc Max
Output Impedance 50 Ohms
Output VSWR 1.5 : 1 Max
Power Supply Voltage +24 V @ 775 mA Nominal

Notes:

1. Output power factory set to 2.5 W at 1.0 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 150 MHz fundamental shall be used. The higher harmonics have no effect on the AO modulator's performance.
3. RoHS compliant.

OUTLINE DRAWING



Document

10/16/13

Control

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TOLERANCES: .XX \pm .01 .XXX \pm .005	DR	T. Moon 8/21/2013			
MATERIAL:	CHK		AODR 1150AF-AINA-2.5 HCR		
FINISH:	APP				
		APP	PART NUMBER:	97-02910-14	REV: C
			1 of 1		