

## SPECIFICATIONS

### Modulation Input

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

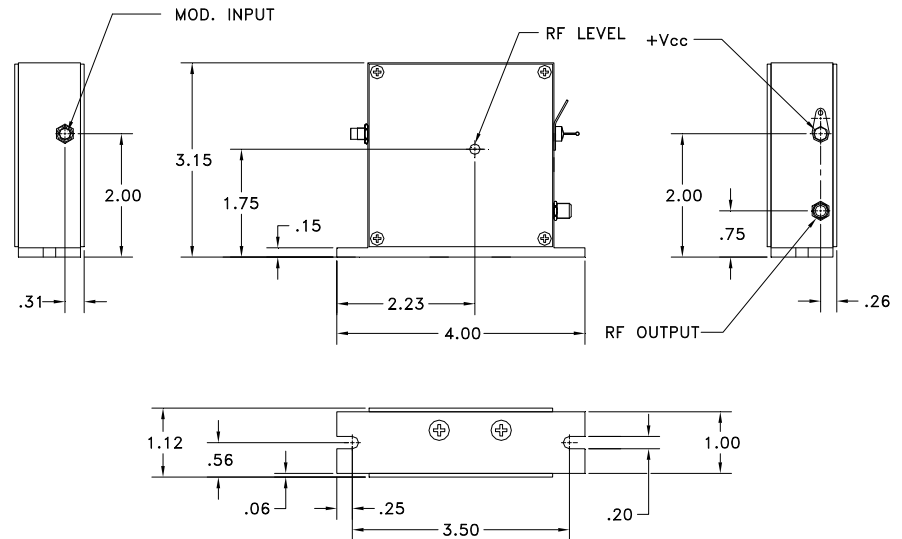
### RF Output

Center Frequency (Fc) 200 MHz  $\pm$  0.1%  
Output Power (SMA Female) 2.5 W  
Rise/Fall Time 5 nsec Max  
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 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 200 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:<br>.XX $\pm$ .01<br>.XXX $\pm$ .005 | DR  | T. Moon<br>8/14/2013 |                                 |             |        |
| MATERIAL:                                       | CHK |                      | <b>AODR 1200AF-AINA-2.5 HCR</b> |             |        |
| FINISH:   | APP |                      |                                 |             |        |
|   |     | APP                  | PART NUMBER:                    | 97-02910-04 | REV: C |
|   |     |                      | 1 of 1                          |             |        |