

SPECIFICATIONS

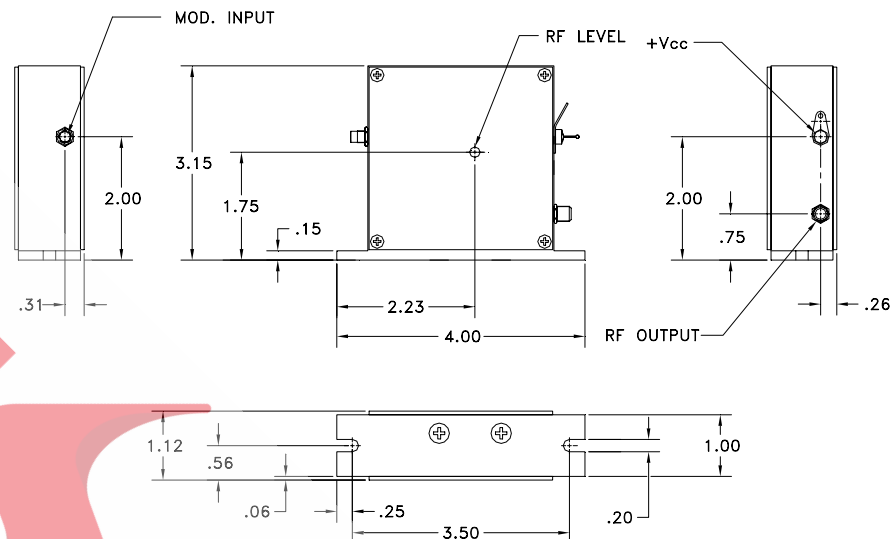
Modulation Input

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

OUTLINE DRAWING





Notes:

- 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.
- 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.
- RoHS compliant.

Document
10/18/10
Control

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| TOLERANCES: .XX $\pm .01$.XXX $\pm .005$ | DR | T. Moon 10/4/2010 |  Crystal Technology, Inc. |
| MATERIAL: | CHK | | |
|  | APP | | AODR 1200AF-AINA-2.5 HCR |
| | APP | | |
| | | PART NUMBER: | REV: |
| | | 97-02910-04 | B |
| | | 1 of 1 | |