

## SPECIFICATIONS

### Analog Input (BNC Female)

Input Voltage 0 to 1 V, 1V = Full on, 0V = Off  
Input Impedance 50 Ohms

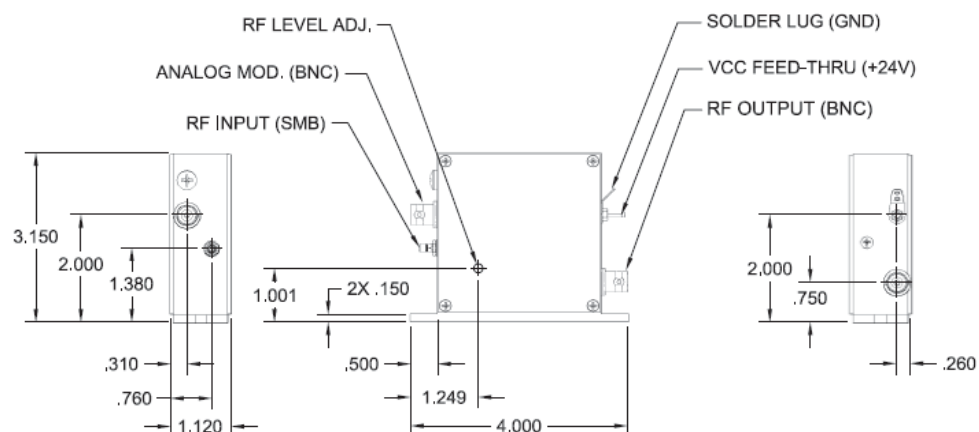
### RF Output (BNC Female)

Output Power @ 200 MHz 2.5 W  
Rise/Fall Time 5 nsec Typ.  
RF Bandwidth +/- 10 MHz  
2nd Harmonic Distortion @ 200 MHz -20 dBc Max  
3rd Harmonic Distortion @ 200 MHz -15 dBc Max  
Output Impedance 50 Ohms  
Output VSWR @ 200 MHz 1.5 : 1 Max  
Output VSWR Over Bandwidth 2.0 : 1 Max  
Power Supply Voltage (Filtered Feedthru) +24 VDC @ 500 mA  
RF Level Adjustment Range 15 dB Min  
Operating Temperature Range 0 <Tambient< +70° C

### RF Input (SMB Male)

Input Frequency 200 MHz Nominal  
Input Power +6dBm Nominal  
Input Impedance 50 Ohms Nominal

## OUTLINE DRAWING



### Notes:

1. Amplifier module must be attached to a heatsink.
2. Output power factory set to 2.5 W with +6 dBm single tone input at 200 MHz. Power stability less than 5% over the heat sink's ambient temperature range of 0-70° C, after 5 minute warm-up.

**Document**

**06/19/15**

**Control**

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|-----------------------------------------|-----|------------------------|--------------------------------------|-------------|--------|
| TOLERANCES:<br>.XX ± .01<br>.XXX ± .005 | DR  | G. Scholz<br>6/17/2015 |                                      |             |        |
| MATERIAL:                               | CHK |                        | <b>AODR 1200-A AMP MODULE</b><br>24V |             |        |
| FINISH:                                 | APP |                        |                                      |             |        |
|                                         |     | APP                    | PART NUMBER:                         | 97-03282-02 | REV: 1 |
|                                         |     |                        | 1 of 1                               |             |        |