



# Gooch & Housego



**AOM Driver**  
**Model: CHP080-3DC-D50**  
**P/N: 97-02910-19**  
**Rev: B**  
**3.0 Watt RF Driver for**  
**Acousto-Optic Modulators**

*Formerly: 1080AF-DINA-3.0HCR*

The CHP080-3DC-D50 provides up to 3.0 Watts of RF power for a frequency of 80 MHz.

Fully adjustable with the screw potentiometer from 0.5 to 3.0 Watts.

A standard TTL signal controls the output RF power from 0 to 100% of the adjusted maximum power.

This driver is well suited for 80 MHz AO modulators requiring moderate amounts of RF power (1.5 - 3.0 Watts). It also is a good fit for the 80 MHz fiber coupled Q-switches.

### Key Features:

- Output RF power 3.0 Watts
- RF ON/OFF ratio >50 dB
- Fast Analog modulation
- Constant RF output power design
- Conductive cooling through base plate

### Applications:

- AOM driver for pulse fiber laser
- AOM applications with fast modulation
- Acousto-optic Modulators

## General Specifications

### 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 Max
Output Impedance	50 Ohms
Output VSWR	1.5 : 1 Max
Power Supply Voltage	+24 V @ 825 mA Nominal

**Document**

**10/23/12**

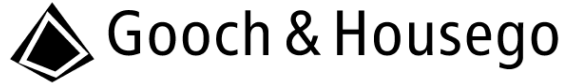
**Control**

Contact: sales@goochandhousego.com      www.goochandhousego.com

As part of our policy of continuous product improvement we reserve the right to change the specification at any time.

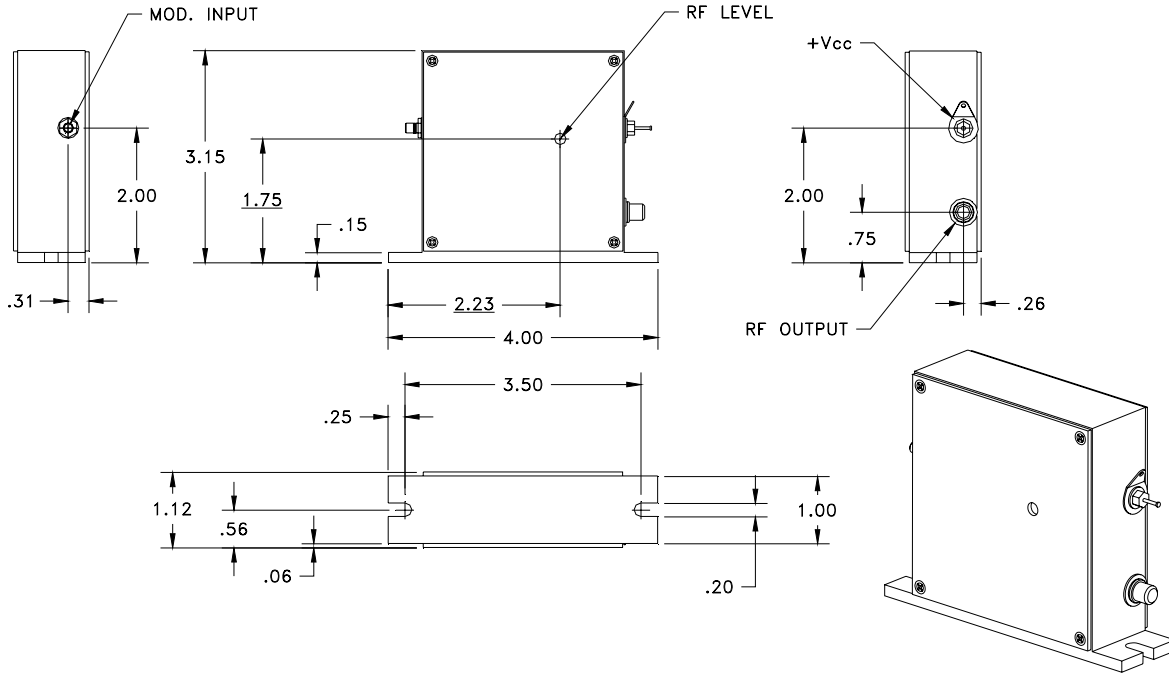
Document: 97-02910-19-50 Rev: A

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**Outline:**

Dimensions (inches)



*Ordering Information:*



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