ANALOG MODULES, INC.

a HEICO company

MODEL 564

CAPACITOR CHARGING POWER SUPPLIES

CAPACITOR CHARGING POWER SUPPLY

- **IDEAL FOR CAPACITOR CHARGING**
- **OUTPUT VOLTAGE - 0 TO 1000V**
- **OUTPUT POWER - 25W**

DESCRIPTION:

The ***564 Series*** are robust DC to DC converters. The power supplies operate over a wide output voltage range and are ideal for laser capacitor charging up to 1kV. An inhibit input is provided. Consult factory for OEM options.

SPECIFICATIONS:

Input
- Voltage: +12 to +15VDC (Add -1 to part number.)
  +24 to +28VDC (Add -2 to part number.)

Output
- Voltage: 0 to +1000V, common ground (Add 1.0 to part number.)
- Current: 130mA into short circuit load
- Power: 25W (25mA at 1kV), see graph on reverse for operation at reduced voltage.
- Regulation: 15μF load, 1kV
  - Load: 0.1%, 0 to 100% load (typical)
  - Line: 0.04%/volt (typical)
- Voltage Control
  Internal multi-turn, 10kΩ trimpot
  External -0 to 6V proportional control via 18" flying leads (Add -EXT to part number.)
- Efficiency: 85% typical

External Output Capacitor
>0.2μF must be connected to avoid damage.

Inhibit: 2.5 to 24VDC, 10kΩ input impedance

Charge Time: 300ms to 1kV
(7.5 Joules into 15μF)

Charged Output
7V via 10kΩ when output voltage is correct; pulses during regulation.
Only available with flying leads (Add -F to part number.)

Temperature
- Operate: -20° to +70°C
- Storage: -55° to +85°C
- Coefficient: -0.008%/°C typical

Connections: Five position terminal strip
18" flying leads (Add-F to part number.)
Flying leads include charged output line.

Size: 5.25" x 2.40" x 1.30"

ISO 9001 CERTIFIED

Specifications subject to change without notice.

APPLICATIONS:

Capacitor Charger for Solid-State Lasers

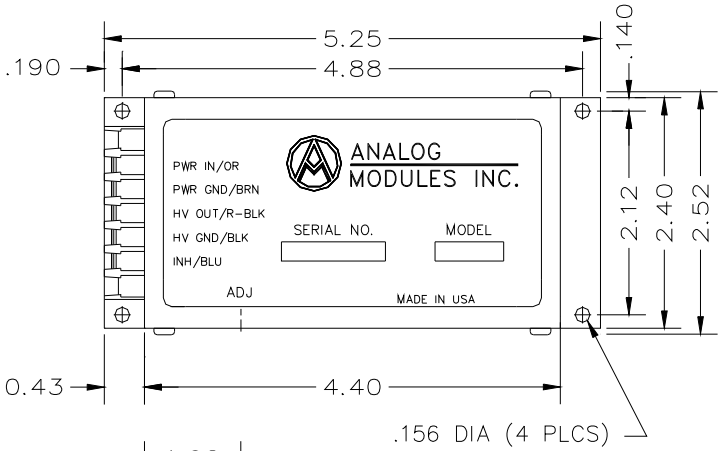
126 BAYWOOD AVENUE ♦ LONGWOOD, FLORIDA 32750-3426 ♦ USA
(407) 339-4355 ♦ FAX (407) 834-3806 ♦ E-mail: ami@analogmodules.com
www.analogmodules.com

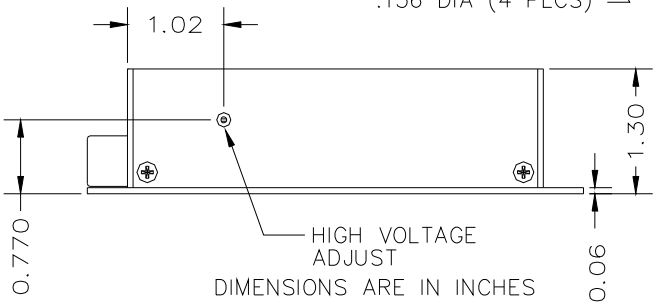
MODEL NUMBER

	OUTPUT VOLTAGE
	0 TO +1000V
INPUT VOLTAGE +12 to +15VDC	**564-1-1.0**
INPUT VOLTAGE +24 to +28VDC	**564-2-1.0**

Typical Part Number: ***564-1-1.0 =***

Input Voltage: +12 to 15VDC
Output Voltage: 0 to 1kV
Voltage Control: Internal multi-turn, 10kΩ trimpot
Output Power: 25W





-EXT Option