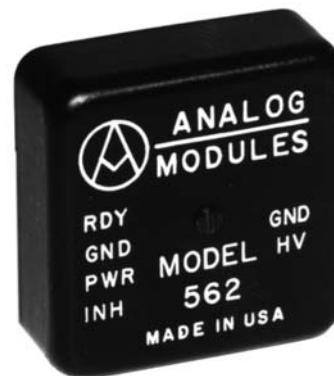




CAPACITOR CHARGING POWER SUPPLY

- IDEAL FOR CAPACITOR CHARGING
- OUTPUT VOLTAGE - 0 TO 1000V
- OUTPUT POWER - 6W



DESCRIPTION:

The **562 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 +18VDC (Add -1 to part number.)
+18 to +32VDC (Add -2 to part number.)

Output

Voltage 0 to +1000V, common ground (Add -1.0 to part number.)
Current 30mA into short circuit load
Power 6W (6mA at 1kV), see graph on reverse for operation at reduced voltage.
Regulation 15µF load, 1kV
Load 0.03%, 0 to 100% load
Line 0.04%/volt

Voltage Control

Internal multi-turn, 10kΩ trimpot
External (Add -EXT to part number.)

Efficiency 75% typical

External Output Capacitor

>0.1µF must be connected to avoid damage

Inhibit

2.5 to 24VDC, 10kΩ input impedance

Charge Time

1.25 sec to 1kV
(7.5 Joules into 15µF)

Charged Output

7V via 4.7kΩ when output voltage is correct; Pulses during regulation

Temperature

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

Connections

PCB mount, pins

Size

2.00" x 2.00" x 0.69"
3.5 oz (100 grams)



Specifications subject to change without notice.

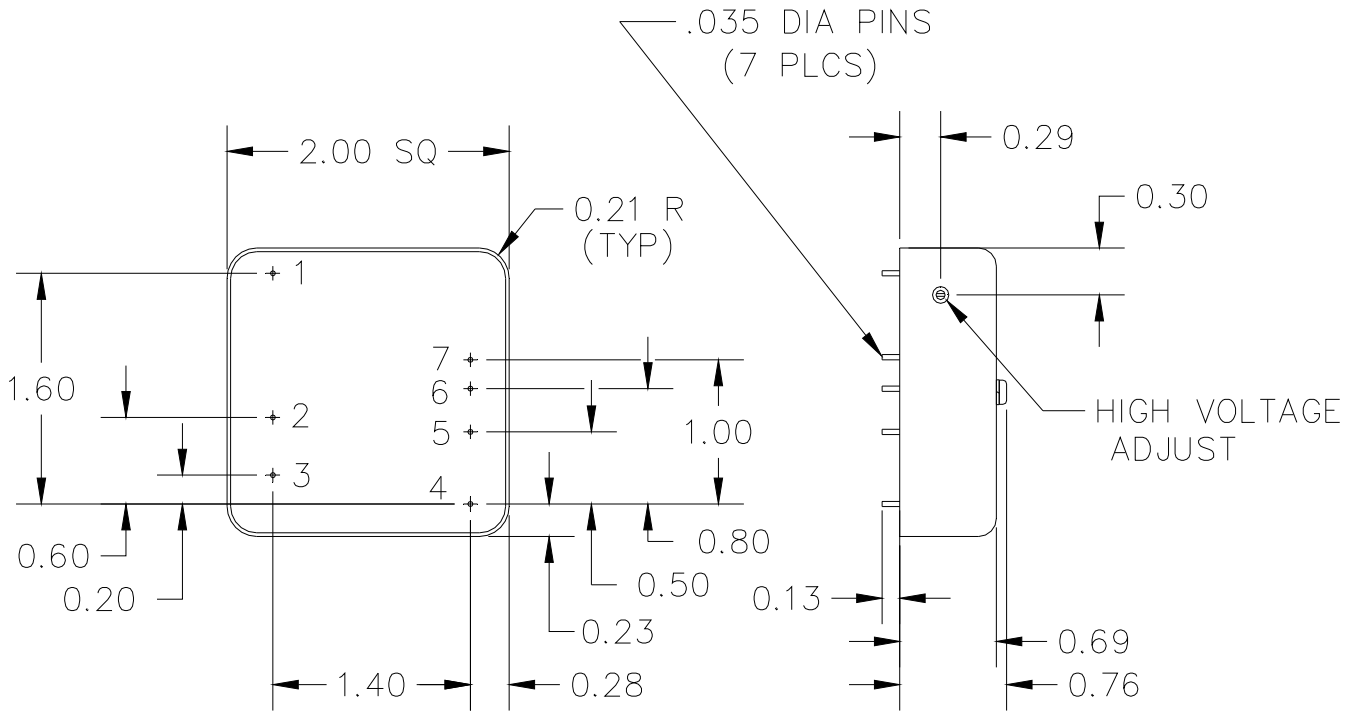
APPLICATIONS:

Capacitor Charger for Solid-State Lasers

		MODEL NUMBER
		OUTPUT VOLTAGE
		0 to +1000V
INPUT VOLTAGE	+12 to +18VDC	562-1-1.0
	+18 to +32VDC	562-2-1.0

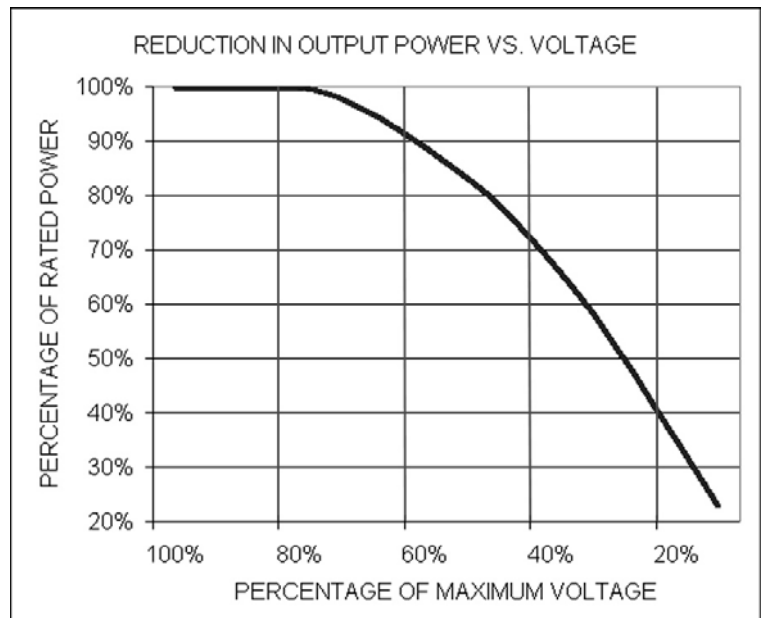
Typical Part Number: **562-1-1.0 =**

Input Voltage: +12 to 18VDC
 Output Voltage: 0 to 1kV
 Voltage Control: Internal multi-turn, 10kΩ trimpot



DIMENSIONS ARE IN INCHES

PIN #	SIGNAL NAME
1	NOT CONNECTED
2	HV RETURN
3	HV OUTPUT
4	INHIBIT
5	+V INPUT
6	+V RETURN
7	CHARGED



6W