

# Central ELECTRONIC

## MANUFACTURERS

DENVILLE, NEW JERSEY

HIGH  
VACUUM  
DIODE

XD - 31

### DESCRIPTION

The Central tube type XD-31 is a forced air cooled high voltage, high current diode featuring a unipotential oxide coated cathode and an external anode. The XD-31 is designed for rectifier or clipper service.

### SPECIFICATIONS:

#### PHYSICAL

Length	3½ inches
Diameter	2 inches
Weight	6 ounces
Mounting Position	Any
Type of Cooling	Forced Air
Required Air Flow on Anode	

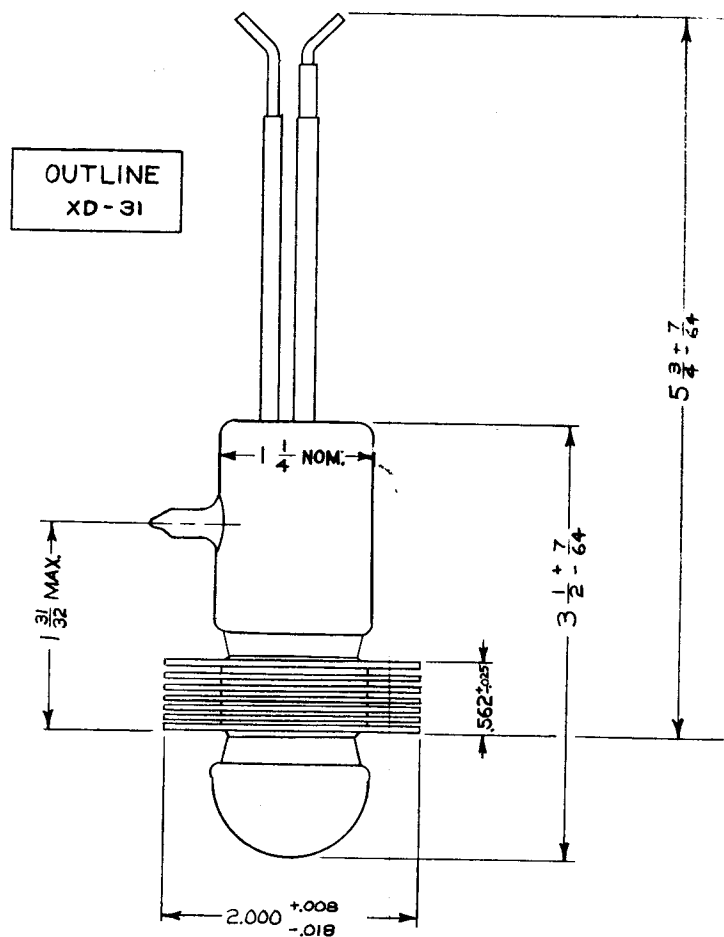
Velocity (cfm)	Anode Dissipation (Kw)	Pressure (in. of water)
50	.15	1.0
Maximum Incoming Air Temperature		45°C
Maximum Glass Seal Temperature		180°C

#### ELECTRICAL (RECTIFIER)

Filament	Oxide coated unipotential cathode
Heater Voltage	6 Volts
Heater Current	6.5 Amperes
Peak Inverse Voltage	17 Kilovolts
Peak Anode Current	2.7 Amperes
Average Anode Current	0.7 Amperes
Anode Dissipation	150 Watts

#### ELECTRICAL (CLIPPER)

Heater Voltage	6 Volts
Heater Current	6.5 Amperes
Peak Inverse Voltage	15 Kilovolts
Peak Anode Current	20 Amperes
RMS Anode Current	1.5 Amperes
Pulse Width (max.)	1 µ second
Duty Cycle (max.)	0.0012
Anode Dissipation	150 Watts



#### PROVISIONAL DATA

Issued 8-60

Check factory before finalizing designs.

Over



