

COLD CATHODE DISCHARGE TUBE



DESCRIPTION

This gaseous discharge tube is designed for use as an electronic relay to control large peak currents at high voltages. It is particularly suited for aircraft and industrial applications where ruggedness, small size, and long service life are important, and where heater power is not available or warm-up time is not permitted.

The tube has a metal envelope and a ceramic base filled with an insulating compound to permit operation at high altitudes with no arc-over. It requires a four-pin socket and can be mounted in any position.

Applications for this tube can be found in ignition systems, capacitor discharge welding circuits, pulsing circuits, and control circuits.

RATINGS

Heater voltage.....	None
Max. forward plate voltage.....	1300 volts
Max. average current.....	90 ma.
Max. peak current.....	100 amps.
Tube voltage drop.....	100 volts (approx.)
Max. frequency	500 p.p.s.
Min. trigger voltage.....	250 volts
Min. anode voltage.....	325 volts

PHYSICAL CHARACTERISTICS

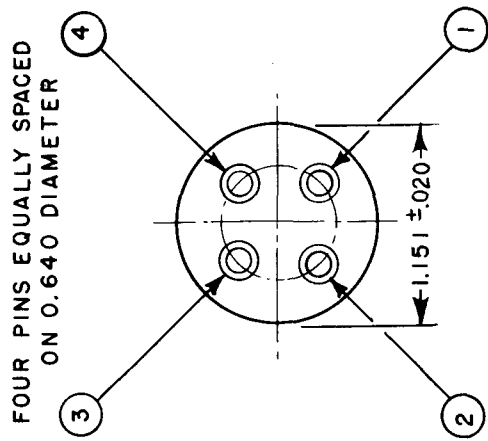
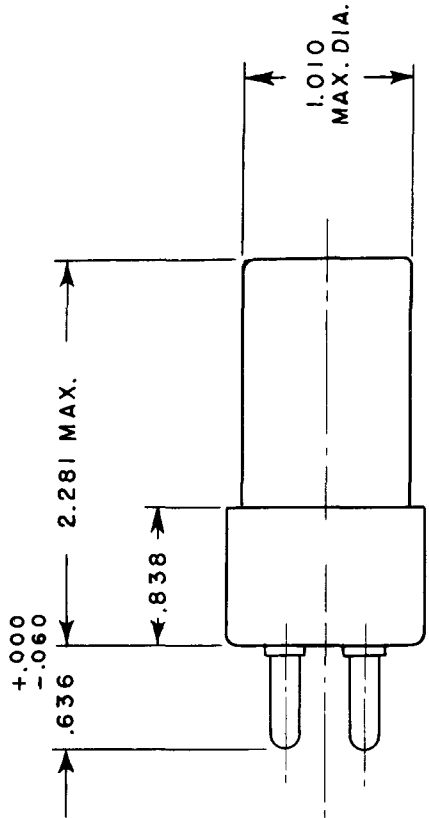
Base	4-pin ceramic
Envelope	MT-8
Max. overall length.....	2.917 in.
Max. seated height.....	2.281 in.
Max. diameter.....	1.171 in.
Mounting position.....	Any
Ambient temperature	-67° to + 165°F.
Max. altitude.....	65,000 ft.

THE *Bendix* CORPORATION

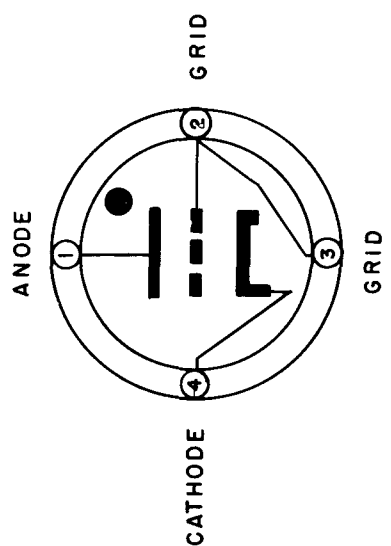
Red Bank DIVISION, EATONTOWN, NEW JERSEY

COLD CATHODE DISCHARGE TUBE

Bendix 5960
Type TD-1



PINS 1 & 4 — DIAMETER 0.156
PINS 2 & 3 — DIAMETER 0.125



BASE DIAGRAM
(BOTTOM VIEW)

OUTLINE DRAWING