Lighthouse Diode

**General Data**

**Electrical:**

Heater for Unipotential Cathode:
- Voltage: 6.3 ± 5% ac or dc volts
- Current: 0.75 amp.

Direct Interelectrode Capacitance (Approx.):
- Plate to Cathode: 2.70 μuf

**Mechanical:**

Operating Position: Any
Mounting: Tube should be supported by its metal shell and not by its base or other terminals
Dimensions and Terminals: See Outline Drawing
Base: Small H-Wafer Octal 6-Pin

**Diagram:**

- Pin 1 - Internal Con. Do Not Use
- Pin 2 - Heater
- Pin 3 - Cathode
- Pin 5 - Cathode
- Pin 7 - Heater
- Pin 8 - Cathode

**Half-Wave Rectifier**

**Maximum Ratings, Design-Center Values:**

- Peak Inverse Plate Voltage: 200 max. volts
- Peak Plate Current: 180 max. ma.
- Average Plate Current: 27 max. ma.
- Peak Heater-Cathode Voltage:
  - Heater negative with respect to cathode: 90 max. volts
  - Heater positive with respect to cathode: 90 max. volts
- Plate-Seal Temperature*: 150 max. °C

* Under extremely high ambient temperature, the plate-seal temperature must never exceed 200°C.

Nov. 15, 1945

RCA Victor Division
Radio Corporation of America, Harrison, New Jersey

Tentative Data
Lighthouse Diode

Maximum eccentricity of \( \xi \) (axis) of the following items with respect to \( \xi \) of shell as reference is:

- Plate disc terminal: 0.020"
- Skirt: 0.035"

*Not to be used for RF contact in new equipment designs.

Average plate characteristic

Nov. 15, 1945

RCA Victor Division
Radio Corporation of America, Harrison, New Jersey
Tentative data
AVERAGE CHARACTERISTICS
HALF-WAVE RECTIFICATION

$E_F = 6.3$ VOLTS

RECTIFIED MILLIAMPERES

DC VOLTS DEVELOPED BY DIODE

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

JULY 4, 1945

92CM-6588