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LIGHTHOUSE DIODE

GENERAL DATA

Electrical:

Heater for Unipotential Cathode:

Voltage $6.3 \pm 5\%$ ac or dc volts

Current 0.75 amp.

Direct Interelectrode Capacitance (Approx.):

Plate to Cathode 2.70 μf

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

BOTTOM VIEW

Pin 1 - Internal Con.
Do Not Use

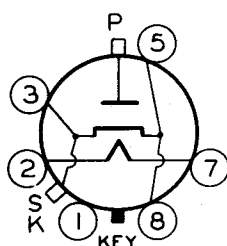
Pin 2 - Heater

Pin 3 - Cathode

Pin 5 - Cathode

Pin 7 - Heater

Pin 8 - Cathode

Shell } Cathode
(S) } RF Terminal
Disc } Plate
Terminal

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

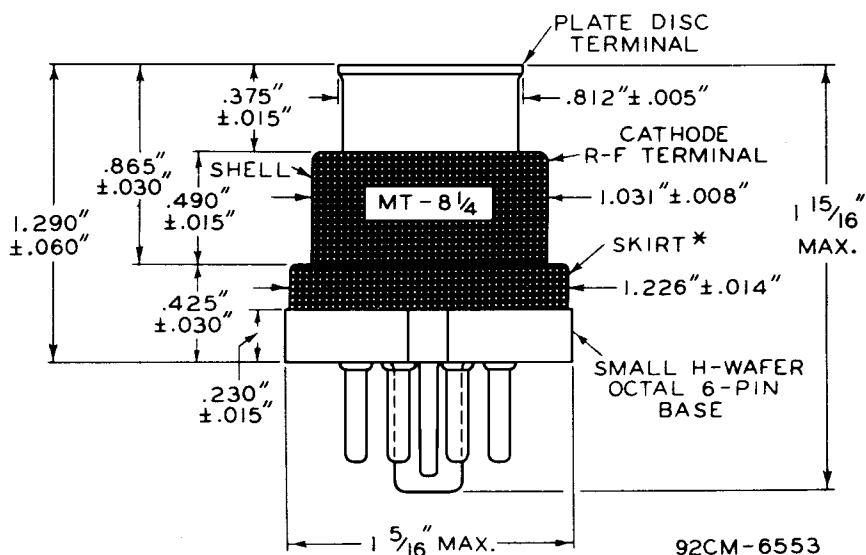
PLATE-SEAL TEMPERATURE* 150 max. $^{\circ}\text{C}$ * Under extremely high ambient temperature, the plate-seal temperature must never exceed 200°C .

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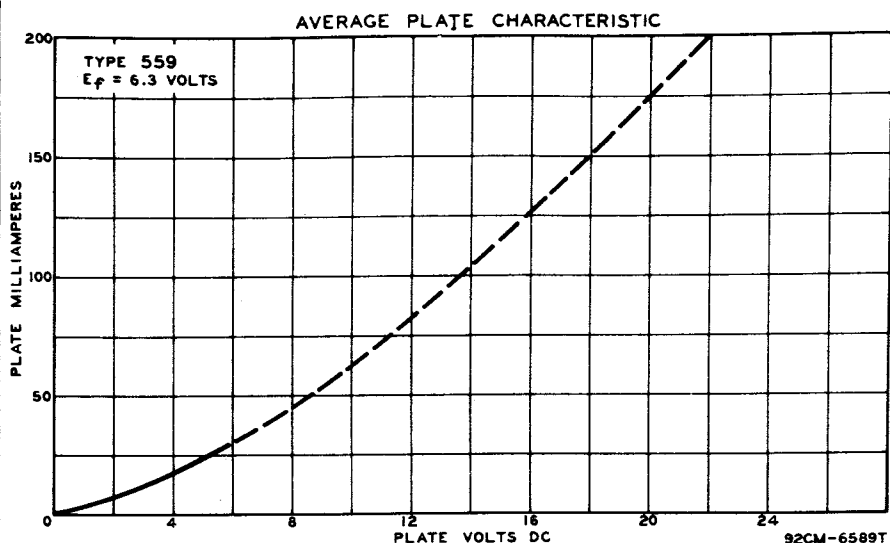
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MAXIMUM ECCENTRICITY OF ϕ (AXIS) OF THE FOLLOWING ITEMS WITH RESPECT TO ϕ OF SHELL AS REFERENCE IS:

PLATE DISC TERMINAL: 0.020"
SKIRT: 0.035"

*NOT TO BE USED FOR RF CONTACT IN NEW EQUIPMENT DESIGNS.



Nov. 15, 1945

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

TENTATIVE DATA



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AVERAGE CHARACTERISTICS HALF-WAVE RECTIFICATION

