TRIPLE DIODE
9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:
Heater, for Unipotential Cathodes:
   Voltage ........................................... 6.3 ac or dc volts
   Current .......................................... 0.450 amp
Direct Inter electrode Capacitances (Approx.):^0
   Plate No.1 to Cathode No.1,
     Heater, and Internal Shield ........ 3.5 µf
   Plate No.2 to Cathode No.2,
     Heater, and Internal Shield ........ 5.5 µf
   Plate No.3 to Cathode No.3,
     Heater, and Internal Shield ........ 3.5 µf
^0 With no external shield.

Mechanical:
Mounting Position ................................ Any
Maximum Overall Length ............................... 2-3/16"
Maximum Seated Length ................................ 1-15/16"
Length, Base Seat to Bulb Too (Excluding tip) .... 1-9/16" ± 3/32"
Maximum Diameter .................................... 7/8"
Bulb .................................................. T-6-1/2
Base .................................................. Small Button Noval 9-Pin (JETEC No.E9-1)
Basing Designation for BOTTOM VIEW .................. 9R

Each Diode

Maximum Ratings, Design-Center Values:
PEAK INVERSE PLATE VOLTAGE ................. 330 max. volts
PEAK PLATE CURRENT^ ............................. 54 max. ma
DC OUTPUT CURRENT ............................... 12 max. ma
PEAK HEATER-CATHODE VOLTAGE:
   Heater negative with respect to cathode .... 200 max. volts
   Heater positive with respect to cathode .... 200 max. volts

Characteristics Range Values for Equipment Design

<table>
<thead>
<tr>
<th>Note</th>
<th>Min.</th>
<th>Av.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heater Current</td>
<td>1</td>
<td>0.410</td>
<td>0.450</td>
</tr>
<tr>
<td>Plate Current (1)</td>
<td>(Each Unit)</td>
<td>1, 2</td>
<td>-</td>
</tr>
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^ In rectifier service, the minimum total effective plate-supply impedance per plate is 560 ohms.
# TRIPLE DIODE

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<th>Av.</th>
<th>Max.</th>
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<tbody>
<tr>
<td>Plate Current (2) (Each Unit)</td>
<td>1.3</td>
<td>35</td>
<td>65 ma</td>
</tr>
<tr>
<td>Ratio of Plate Current of Unit No.3 to Plate Current of Unit No.1</td>
<td>1.3</td>
<td>0.77</td>
<td>1</td>
</tr>
</tbody>
</table>

**Note 1:** With 6.3 volts ac or dc on heater.
**Note 2:** With plate voltage of 0 volts, and plate load resistance of 40000 ohms. Each unit tested separately.
**Note 3:** With plate voltage of 5 volts and no plate load resistance. Each unit tested separately.

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**AVG.
E<sub>P</sub>=6.3 VOLTS**

<table>
<thead>
<tr>
<th>DC PLATE VOLTS</th>
<th>PLATE MILLIAMPERES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>6</td>
<td>80</td>
</tr>
<tr>
<td>8</td>
<td>92C3-8219</td>
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