Medium-Mu Triple Triode

NOVAR TYPE
For Matrix-Amplifier Applications in Color-TV Receivers

ELECTRICAL

Heater Characteristics and Ratings
Voltage (AC or DC) ........................................ 6.3 ± 0.6 V
Current at 6.3 V ........................................... 0.900 A
Maximum heater-cathode voltage (Each unit):
Heater negative with respect to cathode:
Peak .................................................. 200 V
Heater positive with respect to cathode:
Peak .................................................. 200 V
DC Component .......................................... 100 V

Direct Interelectrode Capacitances (Approx.)a

<table>
<thead>
<tr>
<th>Unit No. 1</th>
<th>Unit No. 2</th>
<th>Unit No. 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to plate.</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Input: G to (K, H)</td>
<td>3.6</td>
<td>3.6</td>
</tr>
<tr>
<td>Output: P to (K, H)</td>
<td>0.48</td>
<td>0.48</td>
</tr>
</tbody>
</table>

MECHANICAL

Operating Position ..................................... Any
Type of Cathode ....................................... Coated Unipotential
Maximum Overall Length ................................ 2.960 in
Maximum Seated Length ................................ 2.580 in
Length, Base Seat to Bulb Top (Excluding tip) ........ 2.060 to 2.240 in
Diameter .............................................. 1.062 to 1.188 in
Bulb .................................................. T9
Bases (Alternates)
Small-Button Novar 9-Pin (JEDEC No.E9-75)
Small-Button Novar 9-Pin with Exhaust Tip 9-Pin (JEDEC No.E9-89)
Basing Designation for BOTTOM VIEW ............... 9RQ

CHARACTERISTICS, CLASS A1 AMPLIFIER
Values are for Each Unit

<table>
<thead>
<tr>
<th>Plate Voltage</th>
<th>Grid Voltage</th>
<th>Amplification Factor</th>
<th>Plate Resistance (Approx.)</th>
<th>Transconductance</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 V</td>
<td>-10.5 V</td>
<td>17</td>
<td>5500 Ω</td>
<td>3100 μmho</td>
</tr>
</tbody>
</table>

RADIO CORPORATION OF AMERICA
Electronic Components and Devices
Harrison, N. J.

DATA 1
9-65
Plate Current. .................................. 11.5 mA
Plate Current for grid volts = -14 ............. 4 mA
Grid Voltage (Approx.) for plate μA = 50. .... -23 V

AMPLIFIER — CLASS A;

Values are for Each Unit

Maximum Ratings, Design-Maximum Values
Plate Voltage. .................................. 330 V
Grid Voltage
Positive-bias value. ............................. 0 V
Plate Dissipation. ............................... 3 W

MAXIMUM CIRCUIT VALUE

Grid-Circuit Resistance
For fixed-bias operation ....................... 1 MΩ

* Without external shield.

DIMENSIONAL OUTLINE

2.960 MAX.
ENVELOPE T9

2.580 MAX.
Alternate Base

1.062* DIA

2.240 **
2.060
BASE
JEDEC No. E9-75
92CS-13138

SEATING
BASE
JEDEC No. E9-89
92CS-12660F

DIMENSIONS IN INCHES

Bottom-exhaust version has the same dimensions for maximum over-
all length and seated length as the top-exhaust outline shown.

* Applies to the minimum diameter except in the area of the
seal.

** Measured from the base seat to bulb-top line as determined
by arcing gauge of 0.600" I.D.