from RMA release # 639, Feb. 25, 1948

Sylvania

TYPE 5633
REMOTE CUT-OFF R.F. PENTODE

TENTATIVE RATINGS

Heater Voltage AC or DC ± 10%
Max. Plate Voltage
Max. Screen Voltage
Max. Plate Dissipation
Max. Screen Dissipation
Max. Heater Cathode Voltage

<table>
<thead>
<tr>
<th>Shielded</th>
<th>Unshielded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to Plate</td>
<td>0.01 Max.</td>
</tr>
<tr>
<td>Input</td>
<td>4.00</td>
</tr>
<tr>
<td>Output</td>
<td>2.30</td>
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</tbody>
</table>

"With a 0.405" diameter shield connected to cathode.

TYPICAL OPERATING CONDITIONS

Heater Voltage
Heater Current
Plate Voltage
Screen Voltage
Suppressor Voltage
Cathode Bias Resistor
Plate Current
Screen Current
Transconductance
Plate Resistance
Grid Voltage for 10 ma. Plate Current (approx.)

| | Shielded |
| | Unshielded |
| 6.3 Volts | 150 ma. |
| 150 Volts | 100 ma. |
| 100 Volts | 7.0 ma. |
| 0 Volts | 2.8 ma. |
| 150 Ohms | 3400 muhos |
| 200,000 Ohms | 19 Volts |

"Provides an operating bias of approximately 1.45 volts. Maximum grid circuit resistance should not exceed 1 megohm.

CIRCUIT APPLICATION

Sylvania Type 5633 is a double-ended construction remote cut-off RF pentode of the subminiature design. It is suitable for high frequency amplifiers where gain and high input impedance are important factors. The flexible leads permit the tube to be wired directly to circuit components, thereby minimizing high frequency line load and base losses. When circuit requirements make fixed bias necessary the grid resistance should not exceed 1/4 megohm.

NOTES:

1. Reference diameter from which tip and bulb lengths are determined.
2. Avoid soldering leads closer than 1/2" from glass.
3. Arrow indicates position of cathode lead.
4. All tips 1/16 within dotted outline.
5. On top lead do not solder closer than 1/8" from glass.
6. Avoid bending leads closer than 0.060" from glass.

PHYSICAL SPECIFICATIONS

Styro Subminiature
Bulb T3
Base Flexible Leads
Dimensions: Sco Outline
Mounting Position: Any

LEAD CONNECTIONS

As per outline

2/10/48
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