SUPER-CONTROL R-F AMPLIFIER PENTODE

Filament Voltage 2.0 Coated d-c volts
Current 0.060 amp.

Direct Interelectrode Capacitances:
Grid to Plate (with shield-can) 0.015 max. µf
Input 6.0 µf
Output 11.5 µf

Overall Length 4-25/32" to 5-1/32"

Maximum Diameter 1-13/16" ST-14

Bulb Small Metal Medium 4-Film-
Cap Pin 4-Filament-
Base -Grid

Pin 1-Filament+
Pin 2-Plate
Pin 3-Screen

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:
Filament 2.0 2.0 2.0 d-c volts
Plate 67.5 135 180 max. volts
Screen 67.5 67.5 67.5 max. volts
Grid -3 -3 -3 min. volts

Amp. Fact. 224 360 620 ohms
Plate Res. 400000 600000 1000000
Mut. Cond. 560 600 620 µmhos
Mut. Cond.* 15 15 15 µmhos
Plate Cur. 2.7 2.8 2.8 ma.
Screen-Cur. 1.1 1.0 1.0 ma.

*At -22.5 volts bias.

MIXER
In Superheterodyne Circuits

Operating Conditions with Variable Bias:
Filament 2.0 2.0 2.0 d-c volts
Plate 67.5 135 180 max. volts
Screen 67.5 67.5 67.5 max. volts
Grid -5 -5 -5 approx. volts

The grid bias shown is minimum for an oscillator peak voltage of 4.0 volts. These values are optimum.

AVERAGE CHARACTERISTICS

TYPE 34
$E_x=2.0$ VOLTS D.C.

<table>
<thead>
<tr>
<th>CURVE</th>
<th>PLATE VOLTS</th>
<th>SCREEN VOLTS</th>
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</thead>
<tbody>
<tr>
<td>180</td>
<td>67.5</td>
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Mutual Conductance ($S_m$) Microhos

Control Grid Volts

Plate Resistance (Ω) Megohms

Ampl. Factor (β)

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RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.