BEAM POWER TUBE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
34 VOLTS 0.10 AMP.
AC OR DC
ANY MOUNTING POSITION

BOTTOM VIEW
SMALL-BUTTON MINIATURE
7 PIN BASE
7CV

THE 34GD5 IS A BEAM POWER TUBE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS AN AUDIO AMPLIFIER TUBE IN AC/DC RADIO RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

GRID #1 TO PLATE 0.6 pf
GRID #1 TO K,G3,H & G2 12 pf
PLATE TO K,G3,H & G2 9 pf

RATINGS
INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM
CLASS A1 AMPLIFIER

HEATER CURRENT 0.100*0.006 AMP.
MAXIMUM PLATE VOLTAGE 150 VOLTS
MAXIMUM GRID #2 VOLTAGE 130 VOLTS
MAXIMUM PLATE DISSIPATION 5 WATTS
MAXIMUM GRID #2 INPUT 1.1 WATTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE 200 VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE 200 VOLTS
MAXIMUM BULB TEMPERATURE (AT HOTTEST POINT) 250 °C

MAXIMUM CIRCUIT VALUES

GRID #4 CIRCUIT RESISTANCE:
FOR FIXED-BIAS OPERATION (MAX.) 0.1 MEGOHM
FOR CATHODE-BIAS OPERATION (MAX.) 0.5 MEGOHM

CHARACTERISTICS
CLASS A1 AMPLIFIER

PLATE VOLTAGE 110 VOLTS
GRID #2 VOLTAGE 110 VOLTS
GRID #1 VOLTAGE -7.5 VOLTS
PEAK AF GRID #1 VOLTAGE 7.5 VOLTS

CONTINUED ON FOLLOWING PAGE
CHARACTERISTICS (cont'd.)

CLASS A\textsubscript{1} AMPLIFIER

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tbody>
<tr>
<td>ZERO-SIGNAL PLATE CURRENT</td>
<td>35 MA.</td>
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<tr>
<td>ZERO-SIGNAL GRID #2 CURRENT</td>
<td>3 MA.</td>
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<tr>
<td>PLATE RESISTANCE (APPROX.)</td>
<td>13000 OHMS</td>
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<tr>
<td>TRANSCONDUCTANCE</td>
<td>5700 \mu\text{MHOs}</td>
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<tr>
<td>LOAD RESISTANCE</td>
<td>2500 OHMS</td>
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<tr>
<td>TOTAL HARMONIC DISTORTION (APPROX.)</td>
<td>10 PERCENT</td>
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<tr>
<td>MAX.-SIGNAL POWER OUTPUT</td>
<td>1.4 WATTS</td>
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A. THE DC COMPONENT MUST NOT EXCEED 100 Volts.

B. THE EQUIPMENT DESIGNER SHALL SO DESIGN THE EQUIPMENT THAT THE FILAMENT VOLTAGE IS CENTERED AT THE SPECIFIED BOGIE VALUE.