BEAM POWER TUBE
Useful at Frequencies up to 125 Mc

GENERAL DATA

Electrical:
Heater, for Unipotential Cathode:
Voltage ................... 6.3 ± 0.6 ... ac or dc volts
Current ................... 0.9 ..................... amp

Transconductance (Approx.)
for plate volts = 250,
gird-No.2 volts = 250,
grid-No.1 volts = -14 ... 6000 ...................... μhmhos

Mu-Factor, Grid No.2 to
Grid No.1 for plate volts =
250, grid-No.2 volts = 250,
and grid-No.1 volts = -20 ... 8

Direct interelectrode Capacitances:
Grid No.1 to plate* ... 0.2 max. ................... μuf
Grid No.1 to cathode &
grid No.2, grid No.3,
and heater ...... 12 ...................... μuf
Plate to cathode & grid
No.3, grid No.2,
and heater ...... 7 ...................... μuf

Mechanical:
Mounting Position ................ Any
Maximum Overall Length .......... 5-3/4"
Seated Length .................. 4-31/32" ± 5/32"
Maximum Diameter ................ 2-1/16"
Weight (Approx.) ................. 3 oz
Bulb ...................... ST-16
Cap. ...................... Small (JETEC No.C1-1)
Base ................ Medium-Micanol-Shelf Small 5-Pin (JETEC No.A6-11)
Basing Designation for BOTTOM VIEW .......... 5AW

Pin 1—Heater
Pin 2—Grid No.2
Pin 3—Grid No.1
Pin 4—Cathode,
Pin 5—Heater
Cap—Plate

AF POWER AMPLIFIER & MODULATOR — Class AB
Triode Connection—Grid No.2 Connected to Plate

Maximum Ratings, Absolute Values:

<table>
<thead>
<tr>
<th></th>
<th>CCS*</th>
<th>ICAS*</th>
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</thead>
<tbody>
<tr>
<td>DC PLATE VOLTAGE</td>
<td>400 max.</td>
<td>400 max. volts</td>
</tr>
<tr>
<td>MAX.—SIGNAL DC PLATE CURRENT*</td>
<td>125 max.</td>
<td>125 max. ma</td>
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<tr>
<td>MAX.—SIGNAL DC PLATE PLUS</td>
<td>50 max.</td>
<td>50 max. watts</td>
</tr>
<tr>
<td>GRID-No.2 INPUT*</td>
<td>25 max.</td>
<td>30 max. watts</td>
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See next page.