

6BN4A

Medium-Mu Triode

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

| | | |
|------------------------------|-----|-------|
| Voltage (AC or DC) | 6.3 | volts |
| Current | 0.2 | amp |

Direct Interelectrode Capacitances (Approx.):^a

| | | |
|---------------------------------------|-----|------------------|
| Grid to plate | 1.2 | $\mu\mu\text{f}$ |
| Grid to cathode and heater | 3.2 | $\mu\mu\text{f}$ |
| Plate to cathode and heater | 1.4 | $\mu\mu\text{f}$ |

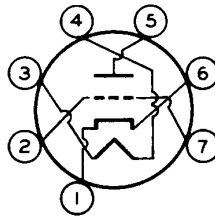
Characteristics, Class A₁ Amplifier:

| | | |
|--|------|--------------------|
| Plate Supply Voltage | 150 | volts |
| Cathode Resistor | 220 | ohms |
| Amplification Factor | 43 | |
| Plate Resistance (Approx.) | 5400 | ohms |
| Transconductance | 7700 | μmhos ← |
| Plate Current | 9 | ma |
| Grid Volts (Approx.) for plate $\mu\text{a} = 100$ | -6 | volts |

Mechanical:

| | |
|---|---|
| Operating Position | Any |
| Maximum Overall Length | 2-1/8" |
| Maximum Seated Length | 1-7/8" |
| Length, Base Seat to Bulb Top (Excluding tip) | 1-1/2" \pm 3/32" |
| Diameter | 0.650" to 0.750" |
| Dimensional Outline | See <i>General Section</i> |
| Bulb | T5-1/2 |
| Base | Small-Button Miniature 7-Pin (JEDEC No. E7-1) |
| Basing Designation for BOTTOM VIEW | 7EG |

Pin 1 - Cathode
Pin 2 - Grid
Pin 3 - Heater
Pin 4 - Heater



Pin 5 - Plate
Pin 6 - Cathode
Pin 7 - Grid

AMPLIFIER — Class A₁

Maximum Ratings, Design-Center Values:

| | | |
|-------------------------------|----------|-------|
| PLATE VOLTAGE | 275 max. | volts |
| GRID VOLTAGE: | | |
| Positive-bias value | 0 max. | volts |
| CATHODE CURRENT | 22 max. | ma |
| PLATE DISSIPATION | 2.2 max. | watts |

← Indicates a change.



RADIO CORPORATION OF AMERICA
Electron Tube Division
Harrison, N. J.

DATA
1-62

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PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 100 max. volts
Heater positive with respect to cathode. 100 max. volts

Maximum Circuit Values:

Grid-Circuit Resistance 0.5 max. megohm

^a with external shield JEDEC No.316 connected to cathode.

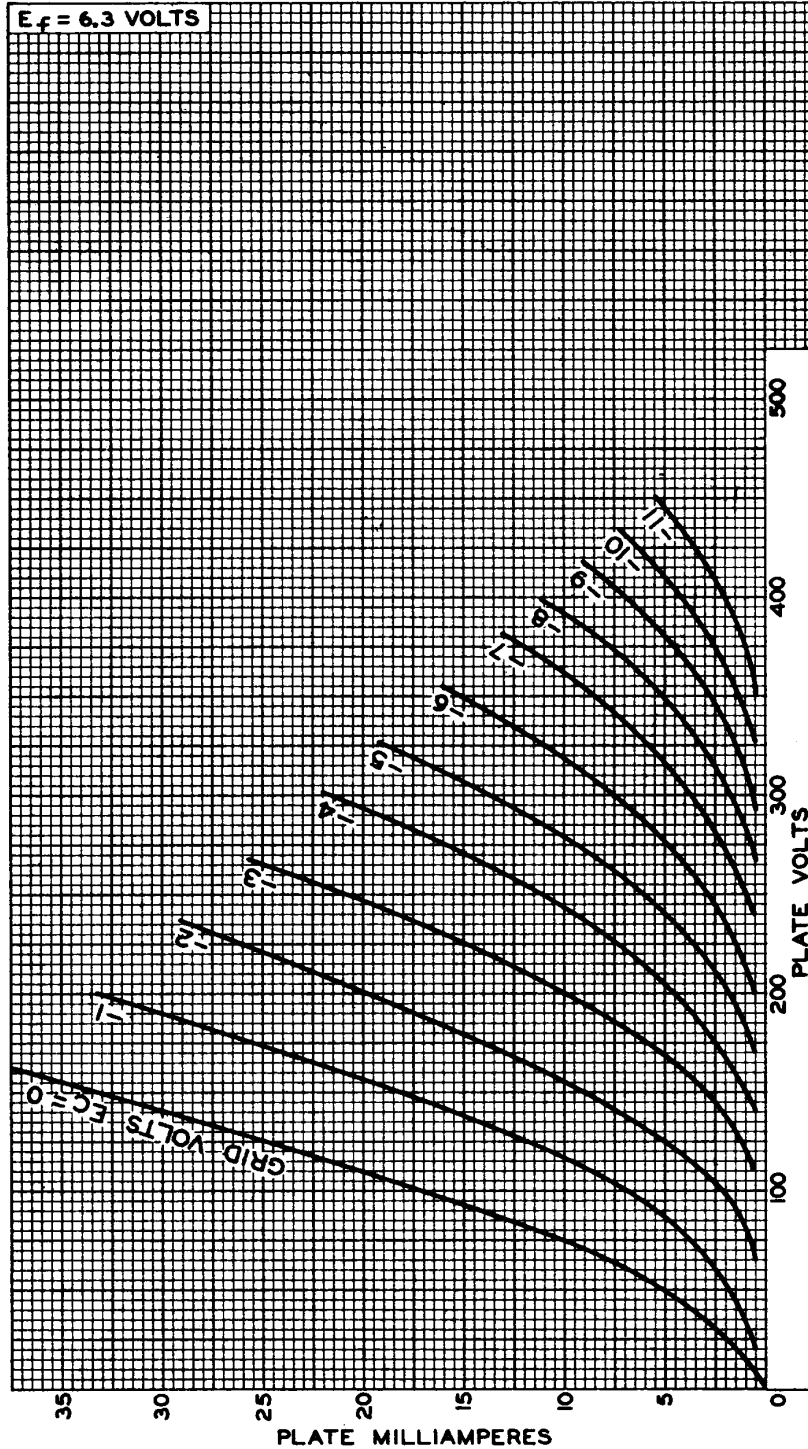




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AVERAGE PLATE CHARACTERISTICS



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