

ref also to
6C4



6AB4

6AB4

HIGH-MU TRIODE

MINIATURE TYPE PARTICULARLY SUITABLE FOR CATHODE-DRIVE CIRCUITS

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

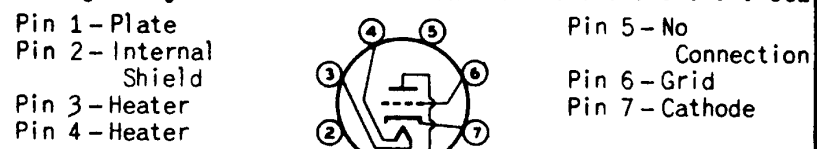
| | | |
|-------------------|----------------|----------------|
| Voltage | 6.3 | ac or dc volts |
| Current | 0.15 | amp |

Direct Interelectrode Capacitances:

| | Without External Shield | With External Shield No. 316 Tied to Cathode | |
|------------------------------|-------------------------------|--|---------------|
| Grid to Plate | 1.5 | 1.5 | μf |
| Grid to Heater and Cathode. | 2.2 | 2.2 | μf |
| Plate to Heater and Cathode. | 0.5 | 1.4 | μf |
| Heater to Cathode | 2.9 | 2.9 | μf |
| Plate to Cathode. | 0.24 | 0.2 | μf |
| Cathode to Heater and Grid. | 5.0 | 5.2 | μf |
| Plate to Heater and Grid. . | 1.7 | 2.6 | μf |

Mechanical:

| | |
|---|--|
| Mounting 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" |
| Maximum Diameter. | 3/4" |
| Bulb | T-5-1/2 |
| Base | Small-Button Miniature 7-Pin (JETEC No.E7-1) |
| Basing Designation for BOTTOM VIEW. | 5CE |



AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

| | | |
|---|----------|-------|
| PLATE VOLTAGE | 300 max. | volts |
| GRID VOLTAGE: | | |
| Negative bias value | 50 max. | volts |
| Positive bias value | 0 max. | volts |
| PLATE DISSIPATION | 2.5 max. | watts |
| PEAK HEATER-CATHODE VOLTAGE: | | |
| Heater negative with respect to cathode | 90 max. | volts |
| Heater positive with respect to cathode | 90 max. | volts |

Characteristics:

| | | | |
|---------------------------------|---------------------|-----|-------|
| Plate Voltage | 100 | 250 | volts |
| Cathode-bias Resistor | 270 | 200 | ohms |
| Internal Shield | Connected to ground | | |
| Amplification Factor. | 60 | 60 | |

← Indicates a change

MAY 1, 1952

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

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| | | | |
|---|-------|-------|------------|
| Plate Resistance (Approx.) | 15000 | 10900 | ohms |
| Transconductance | 4000 | 5500 | μ mhos |
| Grid Bias (Approx.) for plate current of 10 μ amp. | -5 | -12 | volts |
| Plate Current | 3.7 | 10 | ma |

CURVES
for the 6AB4 are the same
as those for each unit of Type 12AT7