



6AB4

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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

With External

External

Shield No. 316

Shield

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

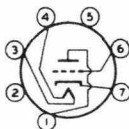
Pin 1-Plate

Pin 2-Internal

Shield

Pin 3-Heater

Pin 4-Heater



Pin 5-No

Connection

Pin 6-Grid

Pin 7-Cathode

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