



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:	<i>Without External Shield</i>	<i>With External Shield No. 316 Tied to Cathode</i>	
Grid to Plate	1.5	1.5	$\mu\mu\text{f}$
Grid to Heater and Cathode.	2.2	2.2	$\mu\mu\text{f}$
Plate to Heater and Cathode.	0.5	1.4	$\mu\mu\text{f}$
Heater to Cathode	2.9	2.9	$\mu\mu\text{f}$
Plate to Cathode.	0.24	0.2	$\mu\mu\text{f}$
Cathode to Heater and Grid.	5.0	5.2	$\mu\mu\text{f}$
Plate to Heater and Grid.	1.7	2.6	$\mu\mu\text{f}$

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)

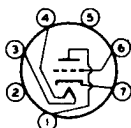
Basing Designation for BOTTOM VIEW. 5CE

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