

Sharp-Cutoff Pentode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater Characteristics and Ratings (*Design-Center Values*):

Voltage (AC or DC) 6.3 ± 0.6 volts

Current at heater volts = 6.3 0.300 amp

Peak heater-cathode voltage:

Heater negative with respect to cathode 150 max. volts

Heater positive with respect to cathode 150 max. volts

Direct Interelectrode Capacitances:^a

Grid No.1 to plate 0.005 max. μf

Grid No.1 to cathode, grid No.3, grid No.2, internal shield, and heater 10 μf

Plate to cathode, grid No.3, grid No.2, internal shield, and heater 3 μf

Characteristics, Class A₁ Amplifier:

Plate Voltage 190 200 volts

Grid No.3 *Connected to cathode at socket*

Grid-No.2 Voltage 190 200 volts

Grid-No.1 Voltage -2.35 -2.5 volts

Plate Resistance (Approx.): 0.35 0.35 megohm

Transconductance 15000 15000 μhos

Plate Current 10 10 ma

Grid-No.2 Current 4.1 4.1 ma

Mechanical:

Operating Position Any

Type of Cathode Coated Unipotential

Maximum Overall Length 2-13/32"

Maximum Seated Length 2-5/32"

Length, Base Seat to Bulb Top (Excluding tip) 1-25/32" $\pm$ 3/32"

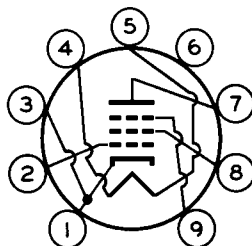
Diameter 0.750" to 0.875"

Bulb T6-1/2

Base Small-Button Noval 9-Pin (JEDEC No.E9-1)

Basing Designation for BOTTOM VIEW 9AQ

Pin 1 - Cathode
Pin 2 - Grid No.1
Pin 3 - Cathode
Pin 4 - Heater
Pin 5 - Heater



Pin 6 - Internal
Shield
Pin 7 - Plate
Pin 8 - Grid No.2
Pin 9 - Grid No.3



6EJ7

AMPLIFIER — Class A₁

Maximum Ratings, Design-Center Values:

PLATE SUPPLY VOLTAGE.	550 max.	volts
PLATE VOLTAGE	250 max.	volts
GRID No.3 (SUPPRESSOR GRID) . . .	<i>Connect to cathode at socket</i>	
GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE. . .	550 max.	volts
GRID-No.2 VOLTAGE	250 max.	volts
CATHODE CURRENT	25 max.	ma
GRID-No.2 INPUT	0.9 max.	watt
PLATE DISSIPATION	2.5 max.	watts

Maximum Circuit Values:

Grid-No.1-Circuit Resistance.	1 max.	megohm
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^a without external shield.

