

**6BZ8****MEDIUM-MU TWIN TRIODE**

9-PIN MINIATURE TYPE

6BZ8**GENERAL DATA****Electrical:**

Heater, for Unipotential Cathodes:

Voltage (AC or DC)	6.3	volts
Current	0.4	amp

Direct Interelectrode Capacitances (Approx.):⁰

Grid to plate (Unit No.1)	1.15	μmf
Plate to cathode, internal shield, and heater (Unit No.2)	0.15	μmf
Plate of unit No.1 to plate of unit No.2 . .	0.01	μmf

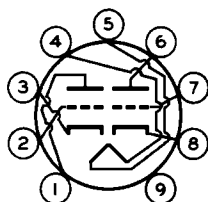
Characteristics, Class A₁ Amplifier (Each Unit):

Plate Supply Voltage.	125	volts
Cathode Resistor.	100	ohms
Amplification Factor.	45	
Plate Resistance (Approx.).	5600	ohms
Transconductance.	8000	μmhos
Plate Current	10	ma
Grid Voltage (Approx.) for transconductance (μmhos) = 50.	-13	volts

Mechanical:

Operating Position.	Any
Maximum Overall Length.	2-3/16"
Maximum Seated Length	1-15/16"
Length, Base Seat to Bulb Top (Excluding tip). .	1-9/16" $\pm$ 3/32"
Diameter.	0.750" to 0.875"
Dimensional Outline	See General Section
Bulb.	T6-1/2
Base.	Small-Button Noval 9-Pin (JEDEC No.E9-1)
Basing Designation for BOTTOM VIEW.	9AJ

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



Pin 6 - Plate of
Unit No.1
Pin 7 - Grid of
Unit No.1
Pin 8 - Cathode of
Unit No.1
Pin 9 - Internal
Shield

AMPLIFIER — Class A₁*Values are for Each Unit***Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE	250 max.	volts
CATHODE CURRENT	20 max.	ma
PLATE DISSIPATION	2.2 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode .	200 max.	volts
Heater positive with respect to cathode .	200 max.	volts

⁰ With external shield JEDEC No.315 connected to cathode of unit under test.

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Typical Operation and Characteristics:*In cascode-type circuit*

Plate Supply Voltage.	250	volts
Grid Voltage.	-0.5	volt
Transconductance.	10000	μ mhos
Plate Current	15	ma

Maximum Circuit Values:

Grid-Circuit Resistance	0.1 max.	megohm
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