



6BS8

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MEDIUM-MU TWIN TRIODE

9-PIN MINIATURE TYPE

*For use in cascode-type circuits of VHF TV tuners***GENERAL DATA****Electrical:**

Heater, for Unipotential Cathodes:

Voltage 6.3 ac or dc volts

Current 0.4 amp

Direct Interelectrode Capacitances:^o

	Unit No. 1	Unit No. 2	
Grid to plate	1.15	1.15	μmf
Grid to cathode, internal shield, and heater.	2.6	—	μmf
Plate to cathode, internal shield, and heater.	1.2	—	μmf
Plate to cathode.	0.15 max.	0.15 max.	μmf
Heater to cathode	2.6	2.6	μmf
Cathode to grid, internal shield, and heater.	—	5	μmf
Plate to grid, internal shield, and heater.	—	2.2	μmf
Plate of unit No.1 to plate of unit No.2.	0.010 max.		μmf
Plate of unit No.2 to plate and grid of unit No.1.	0.024 max.		μmf

Characteristics, Class A₁ Amplifier (Each Unit Except as Noted):

Plate-Supply Voltage.	150	volts
Cathode Resistor.	220	ohms
Amplification Factor.	36	
Plate Resistance (Approx.).	5000	ohms
Transconductance.	7200	μmhos
Plate Current	10	ma
Grid Voltage (Approx.) for plate current of 10 μamp †	—7	volts

Mechanical:

Mounting 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"
Maximum Diameter.	7/8"
Dimensional Outline	See General Section
Bulb.	T6-1/2
Base.	Small Button Noval 9-Pin (JETEC No.E9-1)

^o With external shield JETEC No.315 connected to pin 9.

† This value applies to unit No.2 only.

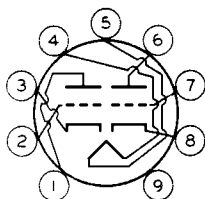


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Basing Designation for BOTTOM VIEW 9AJ

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	150 max.	volts
CATHODE CURRENT	20 max.	ma
PLATE DISSIPATION	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

Typical Operation and Characteristics with Cascode-Type Circuit:

Plate-Supply Voltage	250	volts
Grid Voltage	-1	volt
Transconductance	10000	μ mhos
Plate Current	16	ma
Grid Voltage (Approx.) for transconductance of 50 μ mhos	-6	volts

Maximum Circuit Values:

Grid-Circuit Resistance	0.5 max.	megohm
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