



12BZ7

HIGH-MU TWIN TRIODE

9-PIN MINIATURE TYPE

12BZ7

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Heater arrangement *Series Parallel*

Voltage. 12.6 6.3 . . ac or dc volts

Current. 0.3 0.6 amp

Direct Interelectrode Capacitances (Approx.):^o

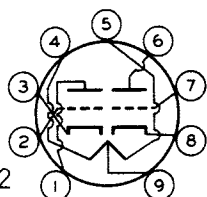
	Unit No.1	Unit No.2	
Grid to plate.	2.5	2.5	μf
Grid to cathode and heater	6.5	6.5	μf
Plate to cathode and heater	0.7	0.55	μf
Plate of unit No.1 to plate of unit No.2	1.3		μf

Characteristics, Class A₁ Amplifier (Each Unit):

Plate Voltage.	250	volts
Grid Voltage	-2	volts
Amplification Factor	100	
Plate Resistance (Approx.)	31800	ohms
Transconductance	3200	μmhos
Plate Current.	2.5	ma

Mechanical:

Mounting Position.		Any
Maximum Overall Length		2-5/8"
Maximum Seated Length.		2-3/8"
Length, Base Seat to Bulb Top (Excluding tip)		2" $\pm$ 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)
Basing Designation for BOTTOM VIEW		9A

Pin 1 - Plate of
Unit No.2Pin 2 - Grid of
Unit No.2Pin 3 - Cathode of
Unit No.2Pins 4 & 9 - Heater of
Unit No.2Pins 5 & 9 - Heater of
Unit No.1Pin 6 - Plate of
Unit No.1Pin 7 - Grid of
Unit No.1Pin 8 - Cathode of
Unit No.1Pin 9 - Heater
Mid-TapAMPLIFIER - Class A₁

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

^o Without external shield.

12BZ7



12BZ7

HIGH-MU TWIN TRIODE**GRID VOLTAGE:**

Negative bias value. 50 max. volts

Positive bias value. 0 max. volts

PLATE DISSIPATION. 1.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . 180 max. volts

Heater positive with respect to cathode . 180 max. volts

Maximum Circuit Values:**Grid-Circuit Resistance:**

For contact-potential-bias operation . . 5 max. megohms