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MEDIUM-MU TWIN TRIODE

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Heater arrangement	Series	Parallel	
Voltage	12.6	6.3	ac or dc volts
Current	0.45	0.9 amp

Direct Interelectrode Capacitances (Approx.):^o

Grid to plate (Each unit)	4	$\mu\mu\text{f}$
Grid to cathode and heater (Each unit) . . .	4	$\mu\mu\text{f}$
Plate to cathode and heater:		
Unit No.1	0.6	$\mu\mu\text{f}$
Unit No.2	0.5	$\mu\mu\text{f}$
Heater to cathode (Each unit)	7	$\mu\mu\text{f}$
Grid to grid.	0.025	$\mu\mu\text{f}$
Plate to plate.	0.75	$\mu\mu\text{f}$

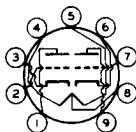
Characteristics, Class A₁ Amplifier (Each Unit):

Plate Voltage	120	180	250	volts
Grid Voltage.	-2	-7	-12.5	volts
Amplification Factor.	18	17	16	
Plate Resistance (Approx.)	1560	2000	3000	ohms
Transconductance.	11500	8500	5400	μmhos
Plate Current	36	23	12	ma
Grid Voltage (Approx.) for plate $\mu\text{a} = 100$	-9	-14	-19	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.9H

- Pin 1 - Plate of Unit No.2
- Pin 2 - Grid of Unit No.2
- Pin 3 - Cathode of Unit No.2
- Pins 4 & 8 - Heater of Unit No.2
- Pins 5 & 8 - Heater of Unit No.1



- Pin 6 - Cathode of Unit No.1
- Pin 7 - Grid of Unit No.1
- Pin 8 - Heater Mid-Tap
- Pin 9 - Plate of Unit No.1

^o: See next page.

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AMPLIFIER — Class A₁

Values are for Each Unit

Maximum Ratings, Absolute Values:

PLATE VOLTAGE.	330 max.	volts
GRID CURRENT	6.6 max.	ma
PLATE DISSIPATION:		
Either plate	4.2 max.	watts
Both plates (Both units operating) . . .	7.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.	100 max.	volts
Heater positive with respect to cathode.	100 max.	volts
BULB TEMPERATURE (At hottest point		
on bulb surface)	220 max.	°C

Maximum Circuit Values:

Grid-Circuit Resistance.	1 max.	megohm
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° Without external shield.