

High-Mu Triple Triode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage (AC or DC). $6.3 \pm 10\%$ volts

Current at 6.3 volts. 0.45 amp

Direct Interelectrode Capacitances (Approx.):

	<i>Without External Shield</i>	<i>With External Shield^a</i>	
<i>Unit No. 1:</i>			
Grid & heater & cathode of unit No. 3 to plate. . . .	1.6	1.5	$\mu\mu\text{f}$
Cathode to grid & heater & cathode of unit No. 3 (grounded-grid)	5	5 ^b	$\mu\mu\text{f}$
Plate to grid & heater & cathode of unit No. 3 (grounded-grid)	1.6	2.4 ^b	$\mu\mu\text{f}$
Heater & grid & cathode of unit No. 3 to cathode .	5	5	$\mu\mu\text{f}$
<i>Unit No. 2:</i>			
Grid to plate	1.4	1.4	$\mu\mu\text{f}$
Grid to cathode and heater & grid of unit No. 1 & cathode of unit No. 3. . .	2.4	2.6 ^b	$\mu\mu\text{f}$
Plate to cathode and heater & grid of unit No. 1 & cathode of unit No. 3. . .	0.4	1.4 ^b	$\mu\mu\text{f}$
Heater & grid of unit No. 1 & cathode of unit No. 3 to cathode.	2.8	2.8	$\mu\mu\text{f}$
<i>Unit No. 3:</i>			
Grid to plate	1.5	1.5	$\mu\mu\text{f}$
Grid to cathode & heater & grid of unit No. 1	2.2	2.4 ^b	$\mu\mu\text{f}$
Plate to cathode & heater & grid of unit No. 1 . . .	0.2	1 ^b	$\mu\mu\text{f}$

Characteristics, Class A₁ Amplifier:

	<i>Unit No. 1</i>	<i>Units No. 2 or No. 3</i>	
Plate Supply Voltage.	125	125	volts
Grid Voltage.	—	—1	volt
Cathode Resistor.	220	—	ohms
Amplification Factor.	63	63	
Plate Resistance (Approx.). . .	14000	14000	ohms
Transconductance.	4500	4500	μmhos



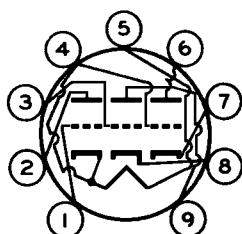
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Plate Current	4.5	4.5	ma
Grid Voltage (Approx.) for plate $\mu a = 20$	-	-4	volts

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 <i>General Section</i>
Bulb.	T6-1/2
Base.	Small-Button Noval 9-Pin (JEDEC No. E9-1)
Basing Designation for BOTTOM VIEW.	9MB

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



- Pin 5-Heater
Pin 6-Plate of
Unit No.1
Pin 7-Cathode of
Unit No.1
Pin 8-Cathode of
Unit No.2
Pin 9-Plate of
Unit No.2

AMPLIFIER — Class A₁

Unless Otherwise Specified, Values are for each Unit

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE	330 max.	volts
GRID VOLTAGE:		
Positive-bias value	0 max.	volts
PLATE DISSIPATION	2 max.	watts
TOTAL PLATE DISSIPATION (ALL PLATES).	5 max.	watts
PEAK HEATER-CATHODE VOLTAGE (Units No.1 and No.2):		
Heater negative with respect to cathode	100 max.	volts
Heater positive with respect to cathode	100 max.	volts

- ^a with external shield JEDEC No.315 connected to ground except as noted.
^b with external shield JEDEC No.315 connected to pin 4.