

High-Mu Triode—Power Pentode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

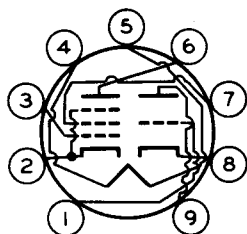
Heater, for Unipotential Cathodes:

Voltage (AC or DC)	35	volts
Current	0.15	amp

Mechanical:

Operating Position	Any
Maximum Overall Length	3-1/8"
Maximum Seated Length	2-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	2-1/2" $\pm$ 3/32"
Diameter	0.750" to 0.875"
Bulb	T6-1/2
Base	Small-Button Noval 9-Pin (JEDEC No. E9-1)
Basing Designation for BOTTOM VIEW	9JE

Pin 1—Triode Grid
 Pin 2—Pentode
 Grid No.3,
 Pentode
 Cathode,
 Internal
 Shield
 Pin 3—Pentode
 Grid No.1



Pin 4—Heater
 Pin 5—Heater
 Pin 6—Pentode
 Plate
 Pin 7—Pentode
 Grid No.2
 Pin 8—Triode
 Cathode
 Pin 9—Triode Plate

AMPLIFIER — Class A₁

Maximum Ratings, Design-Center Values:

	Triode Unit	Pentode Unit	
PLATE VOLTAGE	150 max.	150 max.	volts
GRID-No.2 (SCREEN-GRID) VOLTAGE	—	135 max.	volts
CATHODE CURRENT	5 max.	60 max.	ma
GRID-No.2 INPUT	—	1.5 max.	watts
PLATE DISSIPATION	0.75 max.	6.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode	200 max.	200 max.	volts
Heater positive with respect to cathode	200 ^a max.	200 ^a max.	volts

Typical Operation and Characteristics:

	Triode Unit	Pentode Unit	
Plate Supply Voltage	120	145	volts
Grid-No.2 Supply Voltage	—	120	volts
Cathode Resistor	1500	180	ohms
Amplification Factor	100	—	
Plate Current	0.8	45	ma



35DZ8

Grid-No.2 Current.	—	6	ma
Transconductance	1400	7500	μ mhos
Load Resistance.	—	2500	ohms
Power Output	—	2	watts
Grid Voltage (Approx.) for plate $\mu a = 20$	-2.5	—	volts

Maximum Circuit Values:

	<i>Triode Unit</i>	<i>Pentode Unit</i>	
Grid-No.1—Circuit Resistance .	5 max.	0.5 max.	megohms

^a The dc component must not exceed 100 volts.

