

## Medium-Mu Triode

### 9-PIN MINIATURE TYPE

#### GENERAL DATA

#### Electrical:

Heater Characteristics and Ratings (*Absolute-Maximum Values*):

Voltage (AC or DC) . . . . .	6.3 ± 0.6	volts
Current at heater volts = 6.3 . . . . .	0.300	amp
Peak heater-cathode voltage:		
Heater negative with respect to cathode . . . . .	55 max.	volts
Heater positive with respect to cathode . . . . .	55 max.	volts
Direct Interelectrode Capacitances (Approx.): <sup>a</sup>		
Plate to cathode and heater . . . . .	0.55	μf
Cathode to grid and heater . . . . .	9	μf
Plate to grid and heater . . . . .	1.8	μf

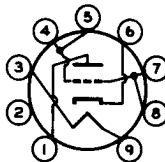
#### Characteristics, Class A<sub>1</sub> Amplifier:

Plate Supply Voltage . . . . .	130	150	volts
Grid Voltage <sup>b</sup> . . . . .	9	-	volts
Cathode Resistor . . . . .	360	60	ohms
Amplification Factor . . . . .	43	43	
Plate Resistance (Approx.) . . . . .	1600	1700	ohms
Transconductance . . . . .	27000	25000	μmhos
Plate Current . . . . .	27	25	ma

#### Mechanical:

Operating Position . . . . .	Any
Type of Cathode . . . . .	Coated Unipotential
Maximum Overall Length . . . . .	1-3/4"
Maximum Seated Length . . . . .	1-1/2"
Length, Base Seat to Bulb Top (Excluding tip) . . . . .	1-1/8" ± 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 . . . . .	.9V

Pin 1 - Plate  
 Pin 2 - No Internal Connection  
 Pin 3 - Heater  
 Pin 4 - Grid



Pin 5 - Grid  
 Pin 6 - Cathode  
 Pin 7 - Grid  
 Pin 8 - Grid  
 Pin 9 - Heater

#### AMPLIFIER — Class A<sub>1</sub>

#### Maximum Ratings, *Absolute-Maximum Values*:

PLATE VOLTAGE . . . . .	200 max.	volts
CATHODE CURRENT . . . . .	38 max.	ma



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PLATE DISSIPATION. . . . . 4.5 max. watts  
BULB TEMPERATURE (At hottest point on  
bulb surface). . . . . 160 max. °C

<sup>a</sup> Without external shield.

<sup>b</sup> Measured with respect to the negative end of the cathode resistor.

