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.): a
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 A1 Amplifier:
Plate Supply Voltage ............... 130 150 volts
Grid Voltage b ..................... 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 General Section
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 A1

Maximum Ratings, Absolute-Maximum Values:
PLATE VOLTAGE .................. 200 max. volts
CATHODE CURRENT .............. 38 max. ma
PLATE DISSIPATION . . . . . . . . . . . . . . 4.5 max. watts
BULB TEMPERATURE (At hottest point on
bulb surface) . . . . . . . . . . . . . . . . . . . . 160 max. °C

a Without external shield.

b Measured with respect to the negative end of the cathode resistor.