High-Mu Triple Triode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:
Heater, for Unipotential Cathodes:
   Voltage (AC or DC) .................. 6.3 ± 10% volts
   Current at 6.3 volts ................ 0.45 amp
Direct Inter electrode Capacitances
   (Approx.):
   Without External Shield  With External Shield
   Grid to plate (Each Unit) .......... 1.5  1.5 μμf
   Grid of unit No.1 to cathode of unit No.1 & cathode of unit No.2, and heater 2.4  2.6 μμf
   Grid of unit No.2 to cathode of unit No.2 & cathode of unit No.1, and heater 2.4  2.6 μμf
   Grid of unit No.3 to cathode of unit No.3 and heater .................. 2.4  2.6 μμf
   Plate of unit No.1 to cathode of unit No.1 & cathode of unit No.2, and heater 0.21  1.4 μμf
   Plate of unit No.2 to cathode of unit No.2 & cathode of unit No.1, and heater 0.4  1.2 μμf
   Plate of unit No.3 to cathode of unit No.3 and heater .................. 0.36  1.2 μμf
   Heater of unit No.3 to cathode of unit No.3 .................... 0.17  0.15 μμf

Characteristics, Class A, Amplifier (Each Unit):
   Plate Voltage .................... 125 volts
   Grid Voltage ..................... 1 volt
   Amplification Factor ............ 57
   Plate Resistance (Approx.) ....... 13600 ohms
   Transconductance ................ 4200 μμhos
   Plate Current .................... 4.2 ma
   Grid Voltage (Approx.) for plate μa = 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" ± 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. 9KA

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

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

AMPLIFIER — Class A₁

Unless Otherwise Specified, Values are for Each Unit

Maximum Ratings, Design—Maximum Values:

PLATE VOLTAGE 330 max. volts
GRID VOLTAGE:
  Negative-bias value 50 max. volts
  Positive-bias value 0 max. volts
PLATE DISSIPATION 2 max. watts
TOTAL PLATE DISSIPATION (ALL PLATES) 5 max. watts
HEATER—CATHODE VOLTAGE (Unit No. 3):
  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 cathode of unit under test except as noted.
b With external shield JEDEC No. 315 connected to ground.