High-Mu Triode

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:
Heater, for Unipotential Cathode:
Voltage (AC or DC) ...................... 6.3 ± 10% volts
Current at 6.3 volts .................... 0.2 amp
Direct Interelectrode Capacitances:

<table>
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<tr>
<th>Without External Shield</th>
<th>With External Shield</th>
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| Grid to plate ............ 0.5 max. | 0.5 max. μf
| Grid to cathode, internal shield, and heater. | 3.2 μf |
| Plate to cathode, internal shield, and heater. | 3.2 μf

Characteristics, Class A1 Amplifier:
Plate Voltage ...................... 200 volts
Grid Voltage ...................... -1 volt
Amplification Factor ................ 75
Plate Resistance (Approx.) .......... 8000 ohms
Transconductance ................... 9000 μmhos
Plate Current ...................... 10 ma
Grid Voltage (Approx.) for plate μa = 100 ........ -6 volts

Mechanical:
Operating Position ................. Any
Maximum Overall Length ............. 2-1/8"
Maximum Seated Length .............. 1-7/8"
Length, Base Seat to Bulb Top (Excluding tip) .......... 1-1/2" ± 3/32"
Diameter .......................... 0.650" to 0.750"
Dimensional Outline ................. See General Section
Bulb .................. Small-Button Miniature 7-Pin (JEDEC No.E7-1)
Basing Designation for BOTTOM VIEW .......... 7FP

Pin 1—Cathode
Pin 2—Grid
Pin 3—Heater
Pin 4—Heater
Pin 5—Plate
Pin 6—Internal Shield
Pin 7—Cathode

AMPLIFIER — Class A1

Maximum Ratings, Design—Maximum Values:
PLATE VOLTAGE ...................... 250 max. volts
GRID VOLTAGE:
Positive-bias value .................. 0 max. volts

RADIO CORPORATION OF AMERICA
Electron Tube Division
Harrison, N. J.
CATHODE CURRENT ................. 22 max. ma
PLATE DISSIPATION .................. 2.2 max. watts
PEAK HEATER-CATHODE VOLTAGE:
   Heater negative with respect to cathode .. 100 max. volts
   Heater positive with respect to cathode .. 100 max. volts

Maximum Circuit Values:
Grid-Circuit Resistance ........... 1 max. megohm

* With external shield JEDEC No.316 connected to cathode.