LOW-MU TRIODE

GENERAL DATA

Electrical:
Heater, for Unipotential Cathode:
  Voltage (AC or DC) .................. 6.3 ± 10% volts
  Current .......................... 1.25 amp

Direct Interelectrode Capacitances
  (Approx.): o
  Grid to plate .................... 6.5 μf
  Grid to cathode and heater ...... 8 μf
  Plate to cathode and heater ...... 1.8 μf

Characteristics, Class A Amplifier:
Plate Voltage .................... 100  250 volts
Grid Voltage ..................... 0   -28 volts
Amplification Factor ............. - 6.6
Plate Resistance (Approx.) ...... 1200 ohms
Transconductance ................ 5500 μhos
Plate Current .................. 125* 40 ma
Plate Current for grid volts = -38 . 10 ma
Grid Voltage (Approx.) for plate
  ma. = 0.5 ........................ -50 volts

Mechanical:
Operating Position ............... Any
Maximum Overall Length .......... 3-7/16"
Maximum Seated Length .......... 2-7/8"
Maximum Diameter ................ 1-9/32"
Dimensional Outline .............. See General Section
Bulb ................................ T9
Base ............................. Short Intermediate—Shell Octal 6-Pin
                      with External Barriers, Arrangement 1
                      (JEDEC Group 1, No.B6-60)

Basing Designation for BOTTOM VIEW ........ BJB

Pin 1—Grid
Pin 2—Heater
Pin 3—Grid
Pin 5—Plate
Pin 7—Heater
Pin 8—Cathode

VERTICAL-DEFLECTION AMPLIFIER

Maximum Ratings, Design-Maximum Values:
  For operation in a 525-line, 30-frame system

DC PLATE VOLTAGE ................ 550 max. volts
PEAK POSITIVE-PULSE PLATE VOLTAGE 2000 max. volts
PEAK NEGATIVE-PULSE GRID VOLTAGE . 250 max. volts
CATHODE CURRENT:
  Peak .......................... 350 max. ma
  Average ........................ 100 max. ma

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ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY
PLATE DISSIPATION: 12 max. watts

PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode: 200 max. volts
Heater positive with respect to cathode: 200* max. volts

Maximum Circuit Values:

Grid-Circuit Resistance:
For cathode-bias operation: 2.2 max. megohms

* Without external shield.
* This value can be measured by a method involving a recurrent wave form such that the maximum ratings of the tube will not be exceeded.
* As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.
* This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one vertical scanning cycle. In a 525-line, 30-frame system, 15 per cent of one vertical scanning cycle is 2.5 milliseconds.
* The dc component must not exceed 100 volts.