SHARP-CUTOFF PENTODE
SUBMINIATURE TYPE

GENERAL DATA

Electrical:
Filament, Coated:
Voltage ......... 1.25 ............ dc volts
Current ........ 0.04 ............... amp

Direct Interelectrode Capacitances:
Grid No.1 to Plate .... 0.010 max. ............ μf
Input ........ 1.8 ............ μf
Output ........ 2.8 ............ μf

° with no external shield.

Mechanical:
Mounting Position .......... Any
Maximum Overall Length .......... 1-3/4"
Maximum Seated Length .......... 1-1/2"
Length, Base Seat to Bulb Top (excluding tip) .......... 1.200 ± 0.060"
Maximum Diameter .......... 0.4"
Bulb .......... T-3
Base .......... Small-Button Sub-minar 8-Pin

BOTTOM VIEW

Pin 1 - No Connection
Pin 2 - Grid No.1
Pin 3 - No Connection
Pin 4 - Filament (+), Grid No.3
Pin 5 - Filament (+)
Pin 6 - No Connection
Pin 7 - Plate
Pin 8 - Grid No.2

AMPLIFIER - Class A

Maximum Ratings, Design-Center Values:
PLATE VOLTAGE .......... 67.5 max. volts
GRID-No.2 (SCREEN) VOLTAGE .......... 67.5 max. volts
TOTAL CATHODE CURRENT .......... 4.0 max. ma

Typical Operation and Characteristics:
Plate Voltage .......... 30 45 67.5 volts
Grid-No.2 Voltage .......... 30 45 67.5 volts
Grid-No.1 (Control-Grid) Voltage .......... 0 0 0 volts
Plate Resistance (Approx.) .......... 0.7 0.7 0.7 megohm
Transconductance .......... 430 580 735 μhmos
Grid-No.1 Bias (Approx.) for plate current of 10 μamp .......... -3 -4 -6 volts
Plate Current .......... 0.45 0.9 1.85 ma
Grid-No.2 Current .......... 0.16 0.35 0.75 ma

SEPT. 15, 1949
TUBE DEPARTMENT
TENTATIVE DATA
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY
AVERAGE PLATE CHARACTERISTICS

$E_F = 1.25$ VOLTS DC
GRID-Nr. 2 VOLTS = 45

PLATE ($I_B$) OR GRID-Nr. 2 ($I_{C2}$) MILLIAMPERES

PLATE VOLTS

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AVERAGE PLATE CHARACTERISTICS

E_p = 1.25 VOLTS DC
GRID-N2 VOLTS = 67.5

Plate (I_b) or Grid-N2 (I_c2) MILLIAMPERES

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