DIODE—SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:
Filament, Coated:
  Voltage: 1.4 dc volts
  Current: 0.05 amp
Direct Interelectrode Capacitances:
  Pentode Unit:
    Grid No.1 to Plate: 0.18 μf
    Input: 3.2 μf
    Output: 6.0 μf
  With external shield connected to negative filament terminal.

Mechanical:
Mounting Position: Any
Maximum Overall Length: 2-25/32"
Maximum Seated Length: 2-1/4"
Maximum Diameter: 1-3/16"
Bulb: T-9
Base: Lock-in 8-Pin
Basing Designation for BOTTOM VIEW: 6AX

PENTODE UNIT
AMPLIFIER — Class A1

Maximum Ratings, Design-Center Values:
PLATE VOLTAGE: 110 max. volts
GRID-No.2 (SCREEN) VOLTAGE: 50 max. volts

Typical Operation and Characteristics:
Plate Voltage: 45 90 volts
Grid-No.2 Voltage: 45 45 volts
Grid-No.1 Voltage: 0 0 volts
Plate Resistance (Approx.): 0.9 0.75 megohm
Transconductance: 550 575 μmhos
Plate Current: 0.55 0.6 ma
Grid-No.2 Current: 0.12 0.1 ma

DIODE UNIT
The diode is located at the negative end of the filament and is independent of the pentode unit except for the common filament.

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