



ILD5

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DIODE—SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage 1.4 dc volts

Current 0.05 amp

Direct Interelectrode Capacitances:^o

Pentode Unit:

Grid No.1 to Plate . . . 0.18 $\mu\mu\text{f}$

Input 3.2 $\mu\mu\text{f}$

Output 6.0 $\mu\mu\text{f}$

^o 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

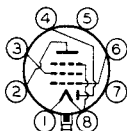
Pin 1 - Filament (+)

Pin 2 - Pentode
Plate

Pin 3 - Pentode
Grid No.2

Pin 4 - Diode Plate

Pin 5 - No
Connection



Pin 6 - Pentode
Grid No.1

Pin 7 - No
Connection

Pin 8 - Filament (-),
Pentode
Grid No.3

Plug - Base Shell

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.