

1LN5



1LN5 SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage. 1.4 dc volts

Current. 0.05 amp

Direct Interelectrode Capacitances:⁰

Grid No.1 to Plate . . . 0.007 max. $\mu\mu\text{f}$

Input. 3.0 $\mu\mu\text{f}$

Output 8.0 $\mu\mu\text{f}$

⁰ 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 7AO

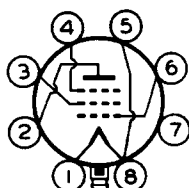
Pin 1 - Filament (+)

Pin 2 - Plate

Pin 3 - Grid No.2

Pin 4 - Grid No.3

Pin 5 - Filament (-)



Pin 6 - Grid No.1

Pin 7 - No

Connection

Pin 8 - Filament (-)

Plug - Base Shell

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 110 max. volts

GRID-No.2 (SCREEN) VOLTAGE 110 max. volts

Typical Operation and Characteristics:

Plate Voltage. 90 . . . volts

Grid-No.3 (Suppressor) Connected to cathode at socket

Grid-No.2 Voltage. 90 . . . volts

Grid-No.1 (Control-Grid) Voltage 0 . . . volts

Plate Resistance (Approx.) 1.1 . . megohms

Transconductance 800 . . . μmhos

Grid-No.1 Bias (Approx.) for
transconductance of 10 μmhos -4.5 . . . volts

Plate Current. 1.6 . . . ma

Grid-No.2 Current. 0.35 . . . ma