

ILN5



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SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage 1.4 dc volts
 Current 0.05 amp

Direct Interelectrode Capacitances:^o

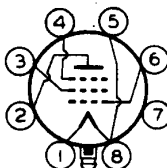
Grid No.1 to Plate 0.007 max. $\mu\mu\text{f}$
 Input 3.0 $\mu\mu\text{f}$
 Output 8.0 $\mu\mu\text{f}$

^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 7A0

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