

ILN5



# ILN5 SHARP-CUTOFF PENTODE

## GENERAL DATA

### Electrical:

Filament, Coated:

Voltage . . . . .	1.4 . . . . .	dc volts
Current . . . . .	0.05 . . . . .	amp

Direct Interelectrode Capacitances:<sup>0</sup>

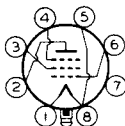
Grid No.1 to Plate . . . . .	0.007 max. . . . .	$\mu\mu\text{f}$
Input . . . . .	3.0 . . . . .	$\mu\mu\text{f}$
Output . . . . .	8.0 . . . . .	$\mu\mu\text{f}$

<sup>0</sup> 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 A<sub>1</sub>

### 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 . . $\mu\text{mhos}$
Grid-No.1 Bias (Approx.) for transconductance of 10 $\mu\text{mhos}$ . . . . .	-4.5 . . volts
Plate Current . . . . .	1.6 . . ma
Grid-No.2 Current . . . . .	0.35 . . ma