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SHARP-CUTOFF PENTODE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.3^{□□} ampDirect Interelectrode Capacitances:[○]Grid No.1 to Plate 0.01 max. $\mu\mu\text{f}$ Input. 8.0 $\mu\mu\text{f}$ Output 6.5 $\mu\mu\text{f}$ [○] With external shield connected to cathode and base shell.**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

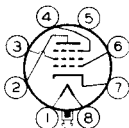
Basing Designation for BOTTOM VIEW 8V

Pin 1-Heater

Pin 2-Plate

Pin 3-Grid No.2

Pin 4-Grid No.3

Pin 5-Internal
Shield

Pin 6-Grid No.1

Pin 7-Cathode

Pin 8-Heater

Plug - Base
ShellAMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 300 max. volts

GRID-No.2 (SCREEN) VOLTAGE 125 max. volts

GRID-No.2 SUPPLY VOLTAGE 300 max. volts

PLATE DISSIPATION. 4.0 max. watts

GRID-No.2 DISSIPATION. 0.4 max. watt

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Positive bias value. 0 max. volts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 90 max. volts

Heater positive with respect to cathode 90 max. volts

Typical Operation and Characteristics:

Plate Voltage. 100 250 volts

Grid No.3 & Internal Shield. Connected to cathode at socket

Grid No.2 Voltage. 100 100 volts

Grid No.1 Voltage. -1 -1.5 volts

Cathode-Bias Resistor. 125 250 ohms

Plate Resistance (Approx.) 0.1 1.0 megohm

Transconductance 3000 3100 μmhos [□] Nominal voltage = 7.0 volts.^{□□} Nominal current = 0.32 ampere.

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(continued from preceding page)

Grid-No.1 Bias (Approx.) for cathode-current cutoff . . .	-6	-6	volts
Plate Current.	5.5	4.5	ma
Grid-No.2 Current.	2.4	1.5	ma