



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. μmf

Input 3.2 μmf

Output 7.0 μmf

^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

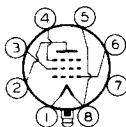
Pin 3 - Grid No.2

Pin 4 - Grid No.3

Pin 5 - Filament (-),

Internal

Shield



Pin 6 - Grid No.1

Pin 7 - No Connection

Pin 8 - Filament (-),

Internal

Shield

Plug - Base

Shell

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 110 max. volts

GRID-No.2 (SCREEN) VOLTAGE 45 max. volts

Typical Operation and Characteristics:

Plate Voltage 45 90 . . volts

Grid No.3 Connected to negative filament terminal at socket

Grid-No.2 Voltage 45 45 . . volts

Grid-No.1 (Control-Grid)

Supply Voltage 0 0 . . volts

Min. Grid-No.1 Resistor 1 1 . . megohm

Plate Resistance (Approx.) 0.7 1.5 . . megohms

Transconductance 750 775 . . μmhos

Plate Current 1.1 1.15 . . ma

Grid-No.2 Current 0.35 0.30 . . ma