



7B6

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TWIN DIODE—HIGH-MU TRIODE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.3^{□□} ampDirect Interelectrode Capacitances—Triode Unit:⁰Grid to Plate. 1.6 μf Grid to Cathode. 3.0 μf Plate to Cathode 2.4 μf ⁰ with external shield connected to cathode.**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 8W

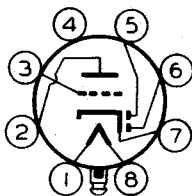
Pin 1—Heater

Pin 2—Triode Plate

Pin 3—Triode Grid

Pin 4—Internal

Connection

Pin 5—Diode Plate
No.2

Pin 6—Diode

Plate No.1

Pin 7—Cathode,

Internal

Shield

Pin 8—Heater

Plug—Base Shell

TRIODE UNITAMPLIFIER—Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 300 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 Voltage -1 -2 . . volts

Amplification Factor 100 100

Plate Resistance 110000 91000 . . ohms

Transconductance 900 1100 . . μmhos

Plate Current. 0.4 0.9 . . ma.

DIODE UNITS—Two

Consideration of these units, including typical circuits and diode curves, is given at the front of this Section.

[□] Nominal voltage = 7.0 volts.^{□□} Nominal current = 0.32 ampere.