



7E6

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TWIN DIODE—MEDIUM-MU TRIODE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage 6.3[□] ac or dc volts
 Current 0.3^{□□} amp

Direct Interelectrode Capacitances:*

Triode Unit:

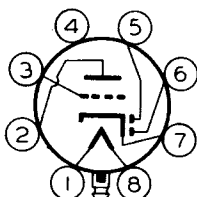
Grid to Plate 1.5 μ f
 Grid to Cathode 3.0 μ f
 Plate to Cathode 2.4 μ f
 Diode-No.1 Plate to Grid. 0.01 max. μ f
 Diode-No.2 Plate to Grid. 0.04 max. μ f

* 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
 —Do Not Use
 Pin 5—Diode-No.2
 Plate



Pin 6—Diode-No.1
 Plate
 Pin 7—Cathode
 Pin 8—Heater

Plug—Base
 Shell

TRIODE UNIT
AMPLIFIER—Class A1

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 300 max. volts
 PLATE DISSIPATION 2.5 max. watts
 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
 Cathode-Bias Resistor 770 950 . . . ohms
 Amplification Factor. 16.5 16
 Plate Resistance 11000 8500 . . . ohms

(continued on next page)

□ Nominal Voltage = 7.0 volts.

□□ Nominal Current = 0.32 ampere.

←Indicates a change.

SEPT. 30, 1948

TUBE DEPARTMENT

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Transconductance.	1500	1900	. .	μ mhos
Plate Current	3.9	9.5	. .	ma

Maximum Circuit Values (for maximum circuit conditions):

Grid-No.1—Circuit Resistance.	1 max. megohm
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DIODE UNITS—Two**Maximum Ratings, Design—Center Values:**

PLATE CURRENT (Each Diode).	1 max.	ma
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