



7X7

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DOUBLE DIODE—HIGH-MU TRIODEGENERAL DATA**Electrical:**

Heater, for Unipotential Cathodes:

Voltage. 6.3⁰ ac or dc voltsCurrent. 0.3⁰⁰ amp**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 8E2

Pin 1—Heater

Pin 2—Triode Plate

Pin 3—Triode Grid

Pin 4—Cathode

(Triode &

Diode No.1)

Internal

Shield

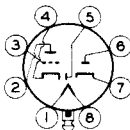
Pin 5—Diode Plate
No.1Pin 6—Diode Plate
No.2Pin 7—Cathode
(Diode No.2)Pin 8—Heater
Plug—Base ShellTRIODE UNIT
AMPLIFIER—Class A₁**Maximum Ratings, Design-Center Values:**

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 0 -1 . . . volt

Amplification Factor 85 100

Plate Resistance 85000 67000 . . . ohms

Transconductance 1000 1500 . . . μ hos

Plate Current 1.2 1.9 . . . ma

DIODE UNITS—Two

The 7X7 differs from the usual twin-diode-triode in that diode No.2 has its own cathode, separate from that used for the triode and diode No.1.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.32 ampere.