



7F8

MEDIUM-MU TWIN TRIODE

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GENERAL DATA**Electrical:**

Heater, for Unipotential Cathodes:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.3^{□□} amp

Direct Interelectrode Capacitances:

Each Unit:

Grid to Plate. 1.2* μf Grid to Cathode. 2.8* μf Plate to Cathode. 1.4* μf Heater to Cathode. 2.8** μf Grid to Grid. 0.1 max.* μf Plate to Plate. 0.5 max.* μf

* With external shield connected to cathode.

** With external shield connected to ground.

Mechanical:

Mounting Position. Any

Maximum Overall Length. 2-9/32"

Maximum Seated Length. 1-3/4"

Maximum Diameter. 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW. 8BW

Pin 1 - Grid of
Unit No.2

Pin 2 - Heater

Pin 3 - Plate of
Unit No.2Pin 4 - Cathode of
Unit No.2Pin 5 - Cathode of
Unit No.1Pin 6 - Plate of
Unit No.1

Pin 7 - Heater

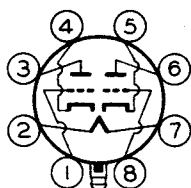
Pin 8 - Grid of
Unit No.1Plug - Base
ShellAMPLIFIER - Class A₁*Values are for each unit***Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 300 max. volts

PLATE DISSIPATION (Total for both units) 3.5 max. watts

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

Characteristics:

Plate Voltage. 250 . . . volts

Cathode-Bias Resistor. 500 . . . ohms

Amplification Factor. 48

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.32 ampere.

DEC. 30, 1947

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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Plate Resistance (Approx.)	14500	..	ohms
Transconductance	3300	..	μ mhos
Plate Current.	6	..	ma
Grid Bias for plate current of 10 μ a (Approx.).	-11	..	volts

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation 0.5 max. megohm

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