



6SZ7

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DUPLEX-DIODE HIGH-MU TRIODE

SINGLE-ENDED METAL TYPE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.15 amp.

Direct Interelectrode

Capacitances-Triode Unit (Approx.):^oGrid to Plate. 1.1 μf Grid to Cathode. 2.6 μf Plate to Cathode 2.8 μf ^o With shell connected to cathode.**Mechanical:**

Mounting Position. Any

Maximum Overall Length 2-5/8"

Maximum Seated Length. 2-1/16"

Maximum Diameter 1-5/16"

Bulb MT-8G

Base Small Wafer Octal 8-Pin

Basing Designation for BOTTOM VIEW 8Q

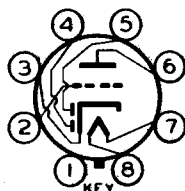
Pin 1-Shell

Pin 2-Triode Grid

Pin 3-Cathode

Pin 4-Diode Plate

No.2



Pin 5-Diode Plate

No.1

Pin 6-Triode Plate

Pin 7-Heater

Pin 8-Heater

TRIODE UNIT**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

Characteristics - Class A₁ Amplifier:

Plate Voltage 100 250 . . . volts

Grid Voltage. -1 -3 . . . volts

Amplification Factor. 70 70

Plate Resistance (Approx.). 61000 58700 . . . ohms

Transconductance. 1150 1200 . . . μmhos

Plate Current 0.8 1 . . . ma.

Typical Operation— Resistance-Coupled Amplifier:

Same as type 6Q7 in RESISTANCE-COUPLED AMPLIFIER CHART

DIODE UNITS - Two

Consideration of these units, including typical circuits and diode curves is given at the front of this section. Diode biasing of the triode unit of the 6SZ7 is not suitable.

APRIL 1, 1946

RCA VICTOR DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

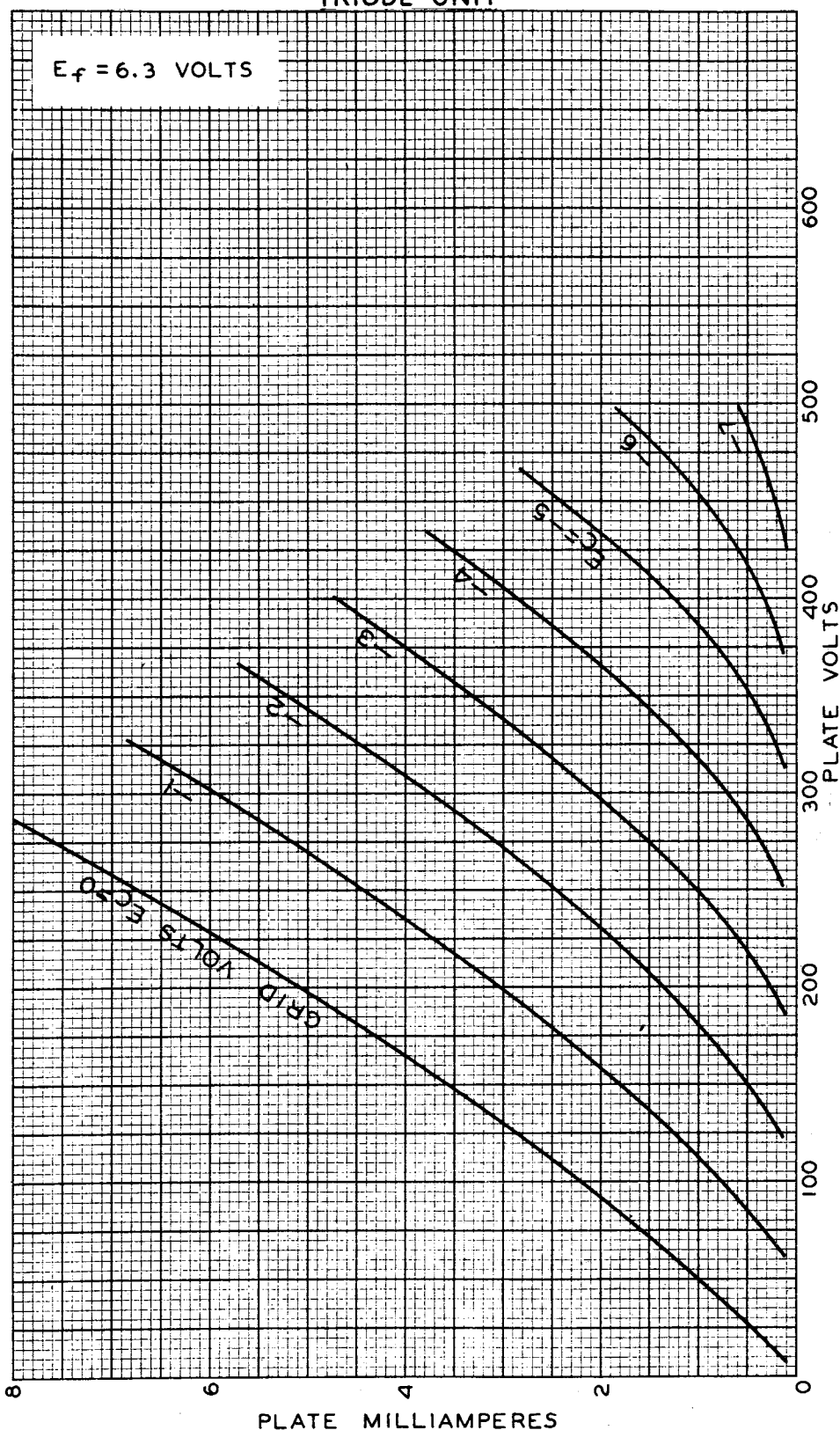
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AVERAGE PLATE CHARACTERISTICS TRIODE UNIT

$E_f = 6.3$ VOLTS



OCT. 3, 1945

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92CM-6602