



6SC7

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HIGH-MU TWIN TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts

Current 0.3 amp

Direct Interelectrode Capacitances (Approx.):*

Grid to plate 2 μf Grid to cathode, heater, and shell 2 μf Plate to cathode, heater, and shell 3 μf

Mechanical:

Mounting Position Any

Maximum Overall Length 2-5/8"

Maximum Seated Length 2-1/16"

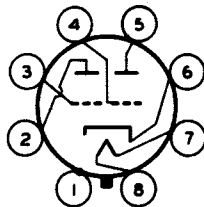
Maximum Diameter 1-5/16"

Bulb Metal Shell, MT-8

Base Small-Wafer Octal 8-Pin (JETEC No. B8-21)

Basing Designation for BOTTOM VIEW 8S

Pin 1 - Shell

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

Pin 6 - Cathode

Pin 7 - Heater

Pin 8 - Heater

AMPLIFIER - Class A₁

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 250 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

Grid Voltage -2 volts

Amplification Factor 70

Plate Resistance (Approx.) 53000 ohms

Transconductance (Approx.) 1325 μmhos

Plate Current 2 ma

Typical Operation as Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART No. 17
at front of this Section

* values for each unit with pin 1 connected to pin 6.

← indicates a change.

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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT

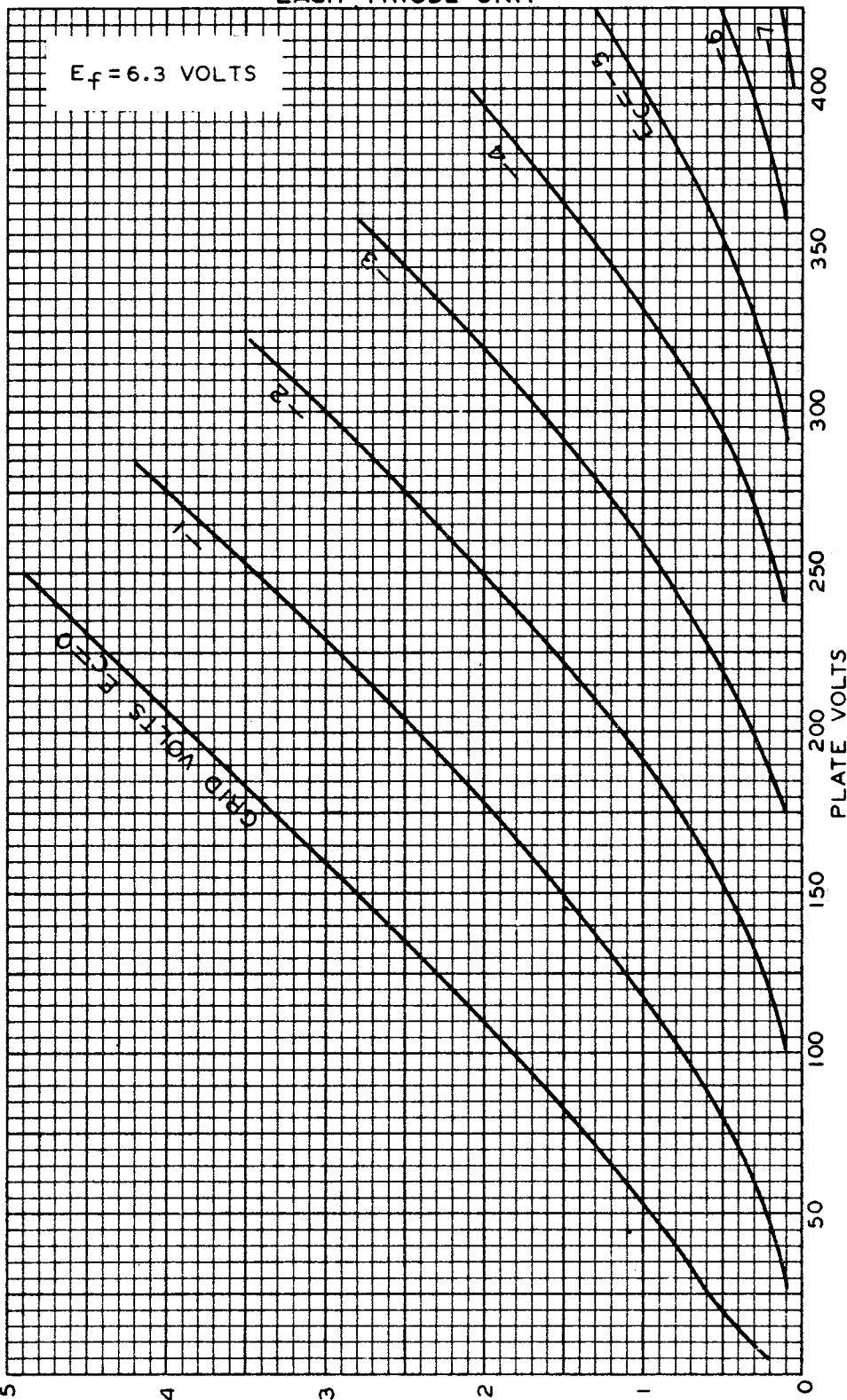


PLATE MILLIAMPERES

TUBE DIVISION

OCT. 16, 1940

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6096RI