



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.):*

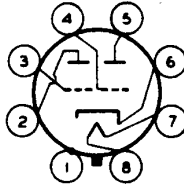
Grid to plate	2	$\mu\mu\text{f}$	←
Grid to cathode, heater, and shell	2	$\mu\mu\text{f}$	←
Plate to cathode, heater, and shell	3	$\mu\mu\text{f}$	←

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 5 - Plate of Unit No.1
Pin 2 - Plate of Unit No.2	Pin 6 - Cathode
Pin 3 - Grid of Unit No.2	Pin 7 - Heater
Pin 4 - Grid of Unit No.1	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.

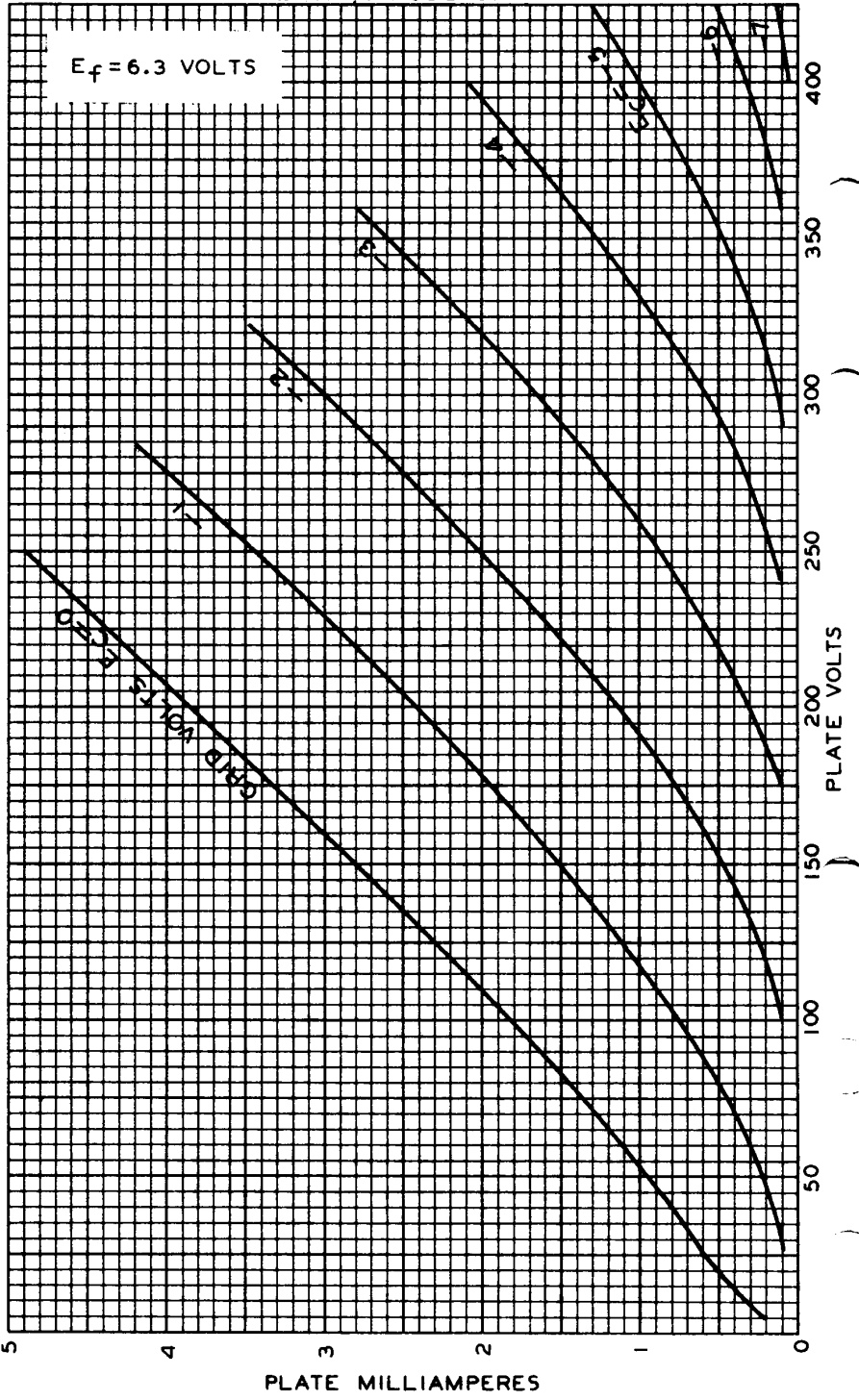
←Indicates a change.

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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



OCT. 16, 1940

PLATE MILLIAMPERES
TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6096RI