



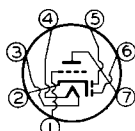
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DUPLEX-DIODE HIGH-MU TRIODE

MINIATURE TYPE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances - Triode Unit: ^o		
Grid to Plate	1.8	μuf
Grid to Cathode & Heater	1.7	μuf
Plate to Cathode & Heater	1.5	μuf
Maximum Overall Length		2-1/8"
Maximum Seated Height		1-7/8"
Length from Base Seat		
to Bulb Top (excluding tip)		1-1/2" ± 3/32"
Maximum Diameter		3/4"
Bulb		T-5½
Base▲		Miniature Button 7-Pin
Pin 1-Triode Grid		Pin 5-Diode Plate No.2
Pin 2-Cathode		Pin 6-Diode Plate No.1
Pin 3-Heater		Pin 7-Triode Plate
Pin 4-Heater		
RCA Socket		Stock No.9914
Mounting Position		Any



BOTTOM VIEW (7BT)

Maximum Ratings Are Design-Center Values

TRIODE UNIT

Plate Voltage		300 max. volts
D-C Heater-Cathode Potential		90 max. volts
<i>Characteristics - Class A₁ Amplifier:</i>		
Plate Voltage	100	250 volts
Grid Voltage	-1	-3 volts
Amplification Factor	70	70
Plate Resistance	61000	58000 ohms
Transconductance	1150	1200 μmhos
Plate Current	0.8	1.0 ma.

Typical Operation with Resistance Coupling:

Same as for Type 6T7-G in RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS - Two

For consideration of these units, see Type 6ST7.

⁰ With close-fitting shield connected to cathode.

[▲] The center hole in sockets for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

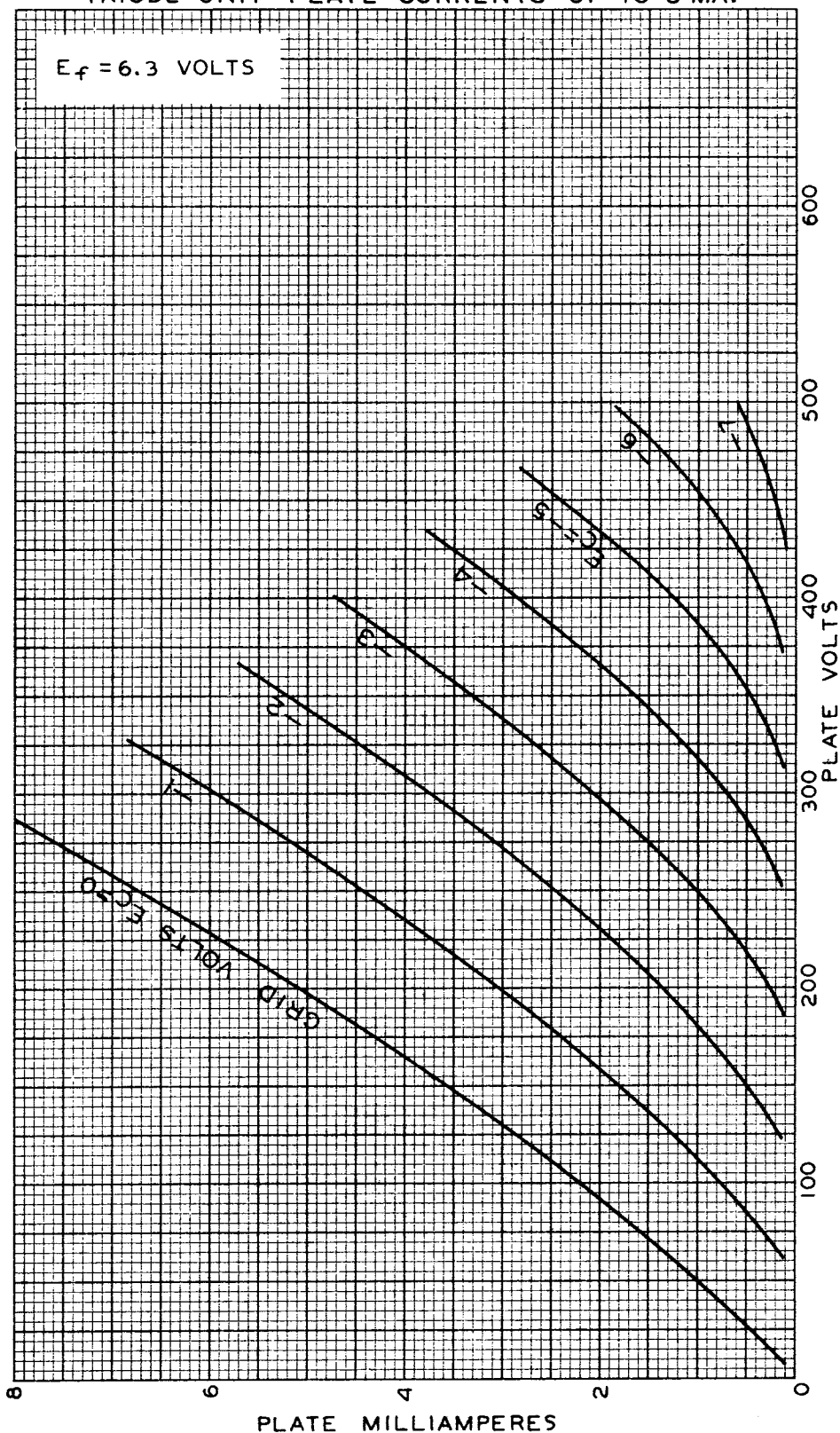
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AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT—PLATE CURRENTS UP TO 8 MA.

$E_f = 6.3$ VOLTS



APR. 7, 1944

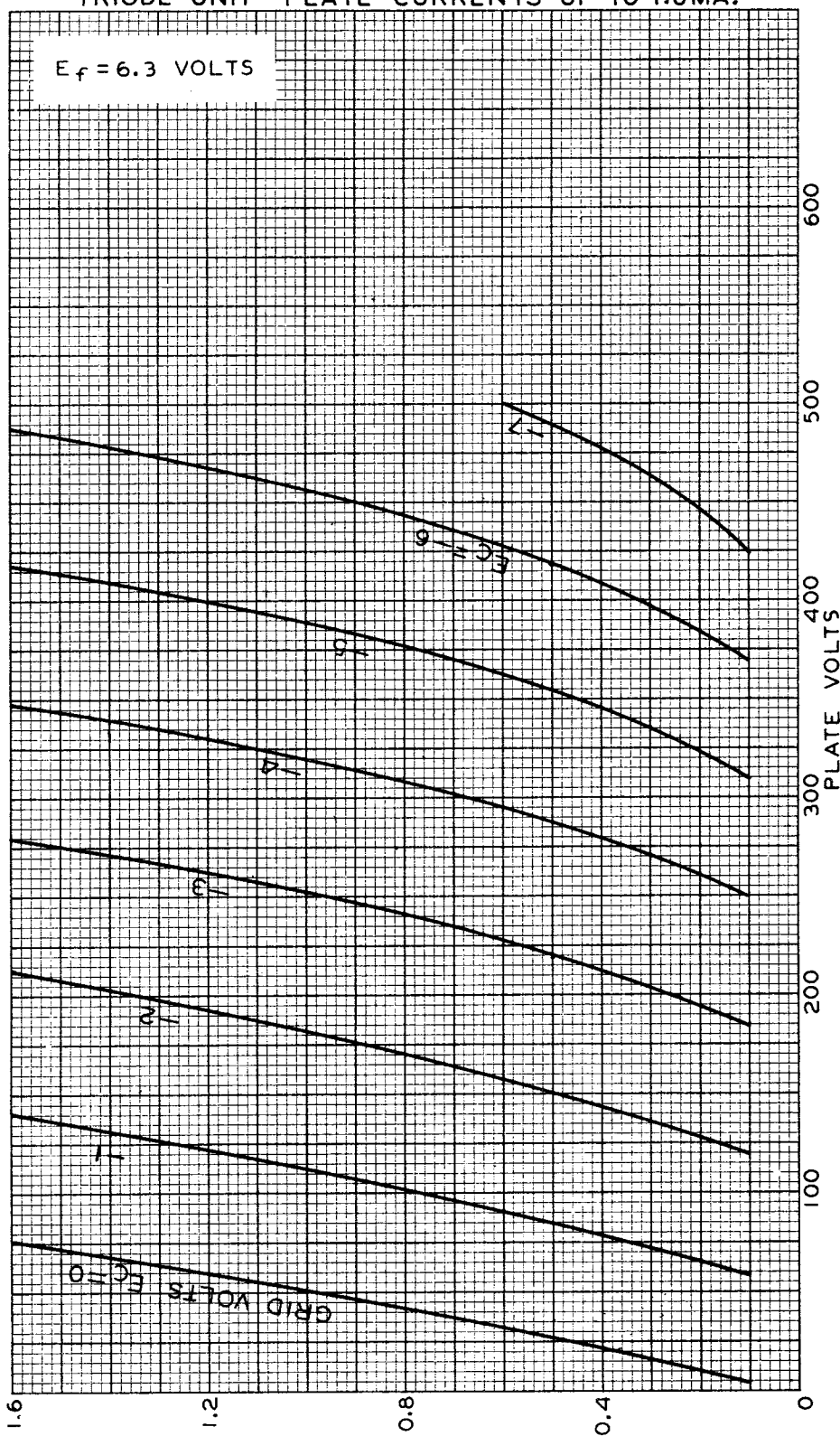
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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6551



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6AQ6 AVERAGE PLATE CHARACTERISTICS TRIODE UNIT—PLATE CURRENTS UP TO 1.6 MA.



APR. 8, 1944

PLATE MILLIAMPERES
RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6552