



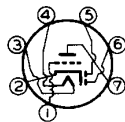
6AQ6

6AQ6

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	μμf
Grid to Cathode & Heater	1.7	μμf
Plate to Cathode & Heater	1.5	μμf
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 A₂ 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.

^o 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.

JUNE 30, 1944

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

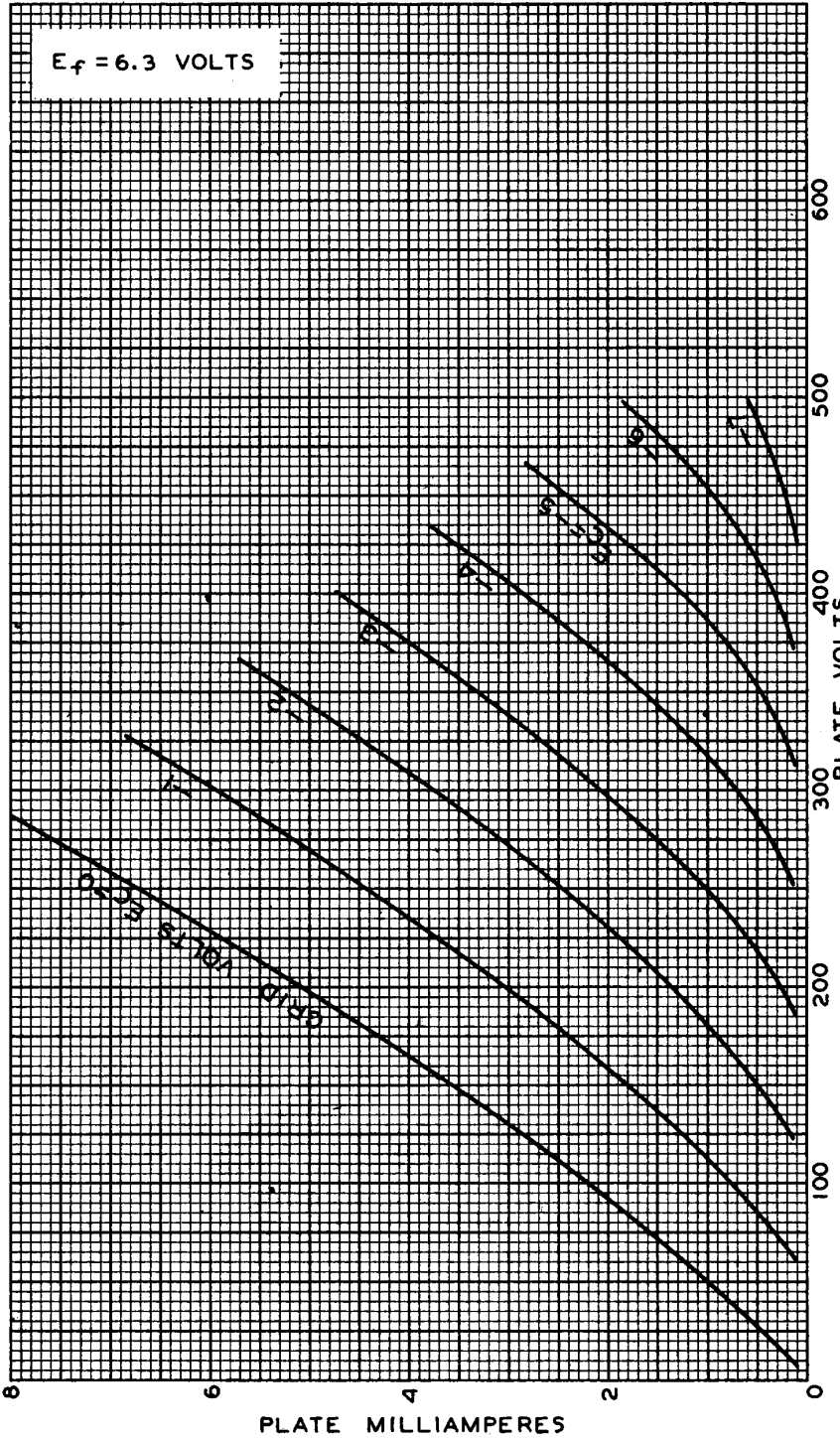
TENTATIVE DATA

6AQ6



6AQ6

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



APR. 7, 1944

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

92CM-6551

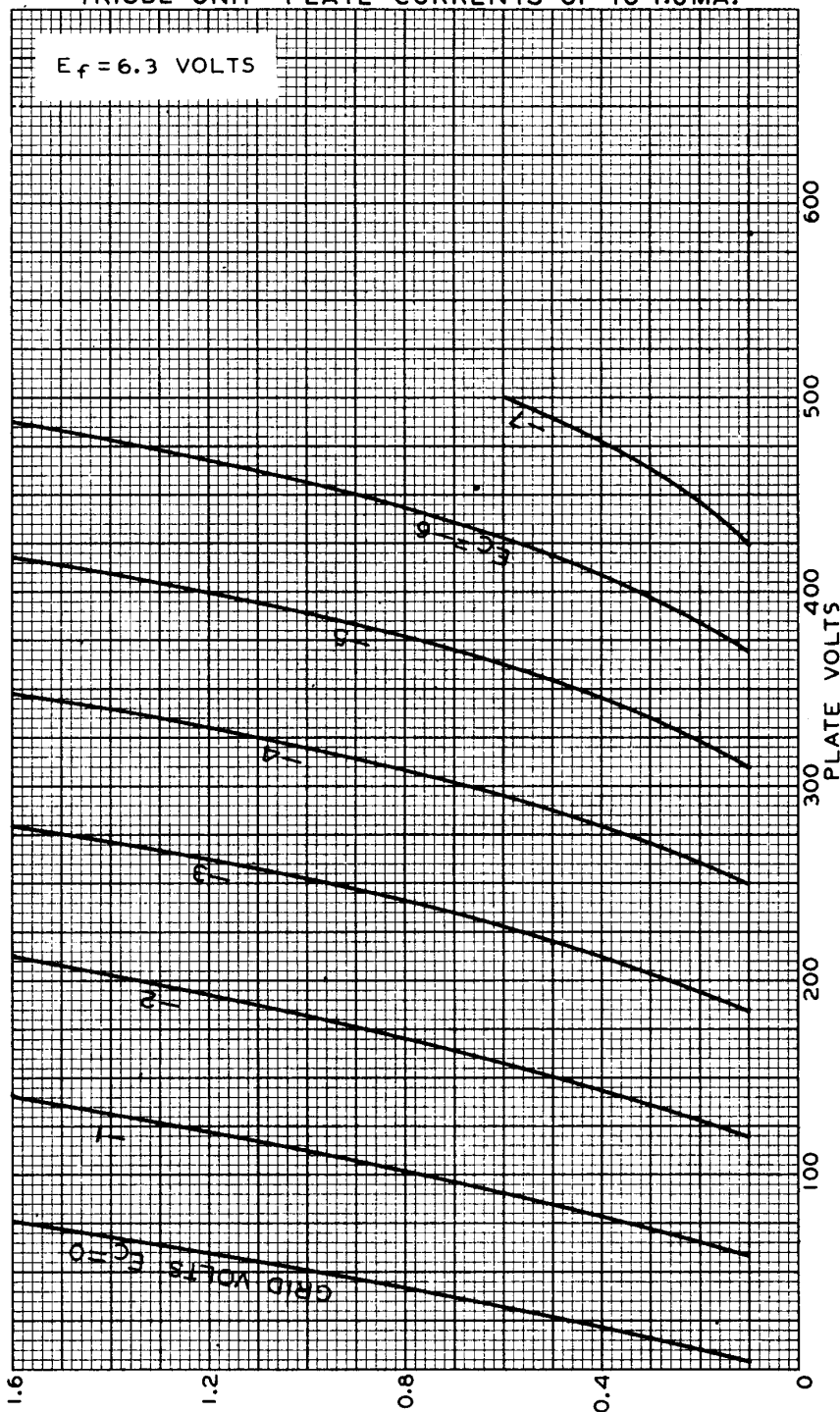


6AQ6

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

6AQ6

$E_f = 6.3$ VOLTS



APR. 8, 1944

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

92CM-6552