



9002

9002

DETECTOR, AMPLIFIER, OSCILLATOR

MIDGET TYPE

Heater ■ Coated Unipotential Cathode
 Voltage 6.3 a-c or d-c volts
 Current 0.15 amp.

Direct Interelectrode Capacitances:

Grid to Plate 1.4 μf
 Grid to Cathode 1.2 μf
 Plate to Cathode 1.1 μf

Maximum Overall Length 1-13/16"

Maximum Seated Height 1-9/16"

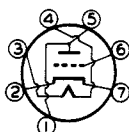
Length from Base Seat to Bulb Top (excluding tip) 1-3/16" $\pm$ 3/32" ←

Maximum Diameter 3/4"

Bulb T-5-1/2

Base ▲ Miniature Button 7-Pin

Pin 1 - Plate
 Pin 2 - Cathode
 Pin 3 - Heater
 Pin 4 - Heater
 Pin 5 - Plate
 Pin 6 - Grid
 Pin 7 - Cathode



RCA Socket Stock No. 9914 ←

Mounting Position BOTTOM VIEW Any

*Maximum Ratings Are Design-Center Values***AMPLIFIER**

Plate Voltage 250 max. volts

Plate Dissipation 1.6 max. watts ←

Typical Operation and Characteristics - Class A₁ Amplifier:

Plate	90	135	180	250	volts
Grid	-2.5	-3.75	-5	-7	volts
Amp. Fact.	25	25	25	25	
Plate Res.	14700	13200	12500	11400	ohms
Transcond.	1700	1900	2000	2200	μmhos
Plate Cur.	2.5	3.5	4.5	6.3	ma.

■ The cathode of the 9002, when operated from a transformer, should preferably be connected to the heater circuit. In the case of d-c operation of the heater from a storage battery, the cathode circuit is tied in either directly or through bias resistors to the negative battery terminal. In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ The center hole in sockets designed 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.

* Temporary minimum length = 1-1/16".

← Indicates a change.

OCT. 1, 1943

RCA VICTOR DIVISION

DATA

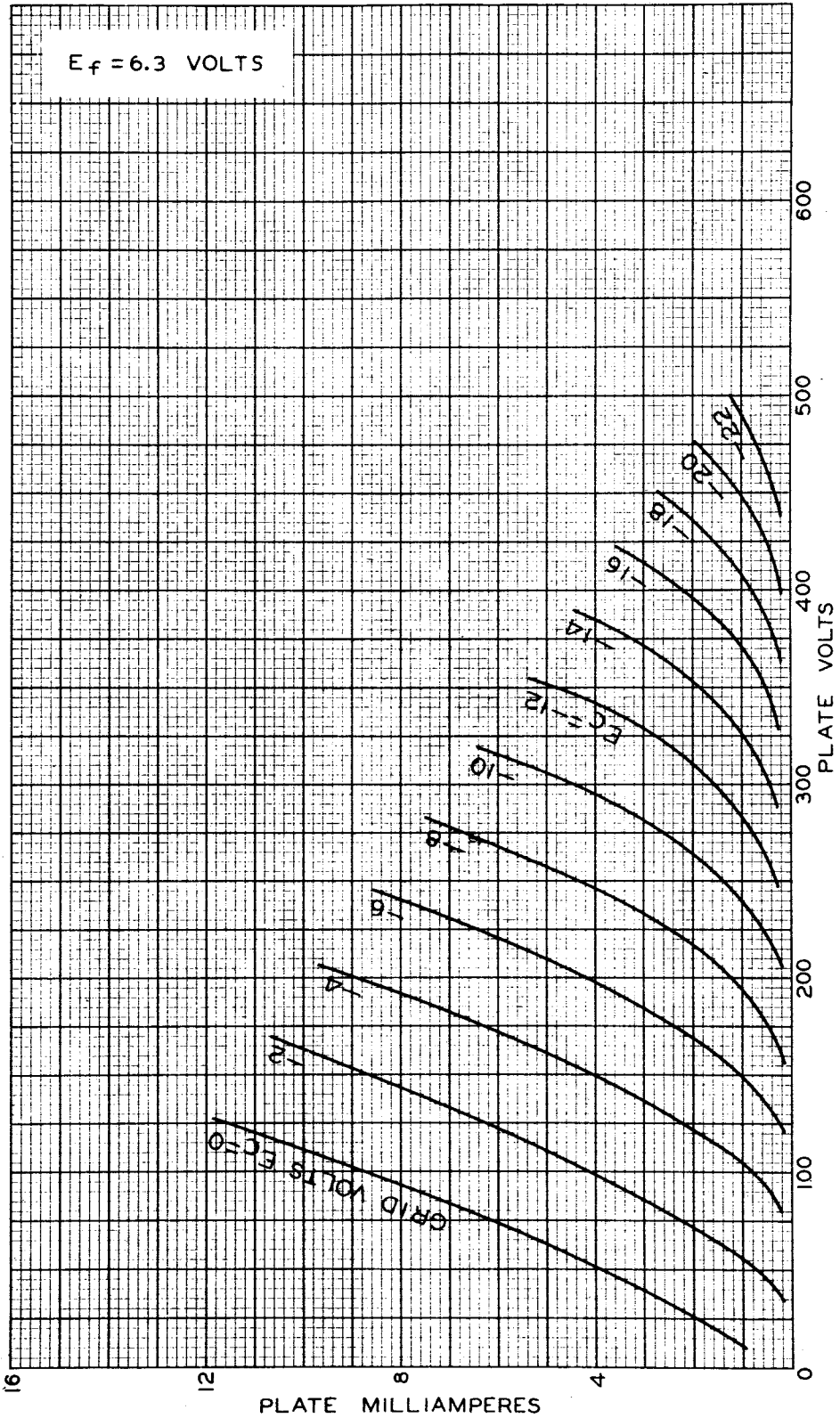
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

9002



9002

AVERAGE PLATE CHARACTERISTICS



SEPT. 17, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

92C-6284