



1T4

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REMOTE-CUTOFF PENTODE

MINIATURE TYPE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage. 1.4 dc volts

Current. 0.05 amp

Direct Interelectrode Capacitances:⁰

Grid No.1 to plate 0.01 . . . μ f ←

Grid No.1 to filament (-) & grid No.3
& internal shield, and grid No.2 3.6 . . . μ f

Plate to filament (-) & grid No.3
& internal shield, and grid No.2 7.5 . . . μ f

Mechanical:

Mounting Position Any

Maximum Overall Length 2-1/8"

Maximum Seated Length 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). . . 2" $\pm$ 3/32" ←

Maximum Diameter 3/4" ←

Bulb T-5-1/2

Base Small-Button Miniature 7-Pin (JETEC No.E7-1) ←

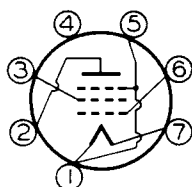
Basing Designation for BOTTOM VIEW 6AR

Pin 1-Filament (-),
Grid No.3,
Int. Shield

Pin 2-Plate

Pin 3-Grid No.2

Pin 4-No Connection-
Do Not Use



Pin 5-Filament (-),
Grid No.3,
Int. Shield

Pin 6-Grid No.1

Pin 7-Filament (+)

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 90 max. volts

GRID-No.2 (SCREEN) SUPPLY VOLTAGE. 90 max. volts

GRID-No.2 VOLTAGE. 67.5 max. volts

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Positive bias value. 0 max. volts

TOTAL CATHODE CURRENT. 5.5 max. ma

Typical Operation and Characteristics:

Plate Voltage.	45	67.5	90	90	volts
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Grid-No.2 Voltage.	45	67.5	45	67.5	volts
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Grid-No.1 Voltage.	0	0	0	0	volts
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Plate Resistance (Approx.).	0.35	0.25	0.8	0.5	megohm
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Transconductance	700	875	750	900	μ mhos
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Plate Current.	1.7	3.4	1.8	3.5	ma
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Grid-No.2 Current.	0.7	1.5	0.65	1.4	ma
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Grid-No.1 Voltage for transconductance of 10 μ mhos	-10	-16	-10	-16	volts
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⁰With or without external shield JETEC No.316 connected to pin No.1.

←Indicates a change.

JAN. 3, 1955

TUBE DIVISION

DATA

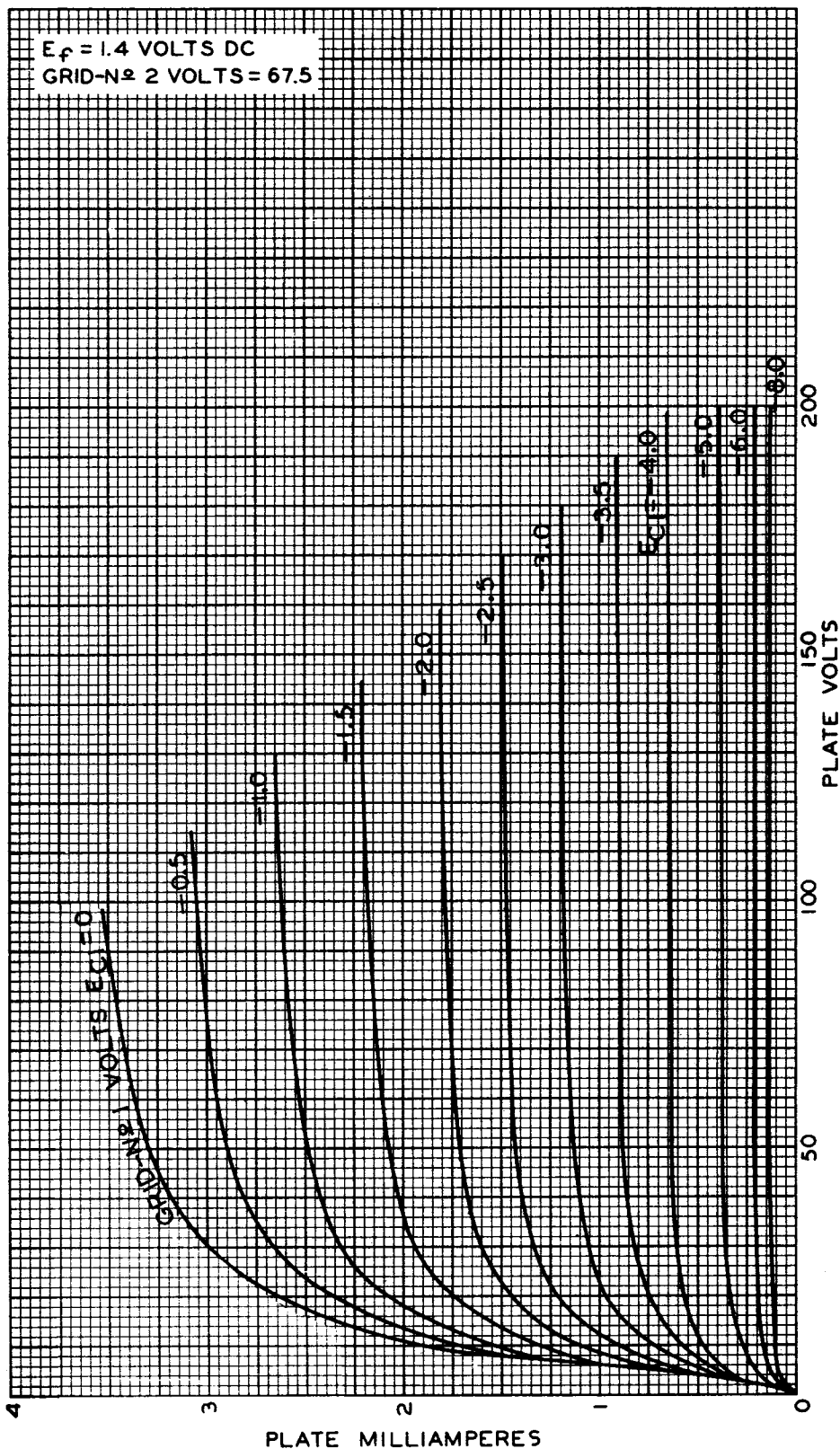
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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AVERAGE PLATE CHARACTERISTICS



DEC. 27, 1954

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM - 6101R2

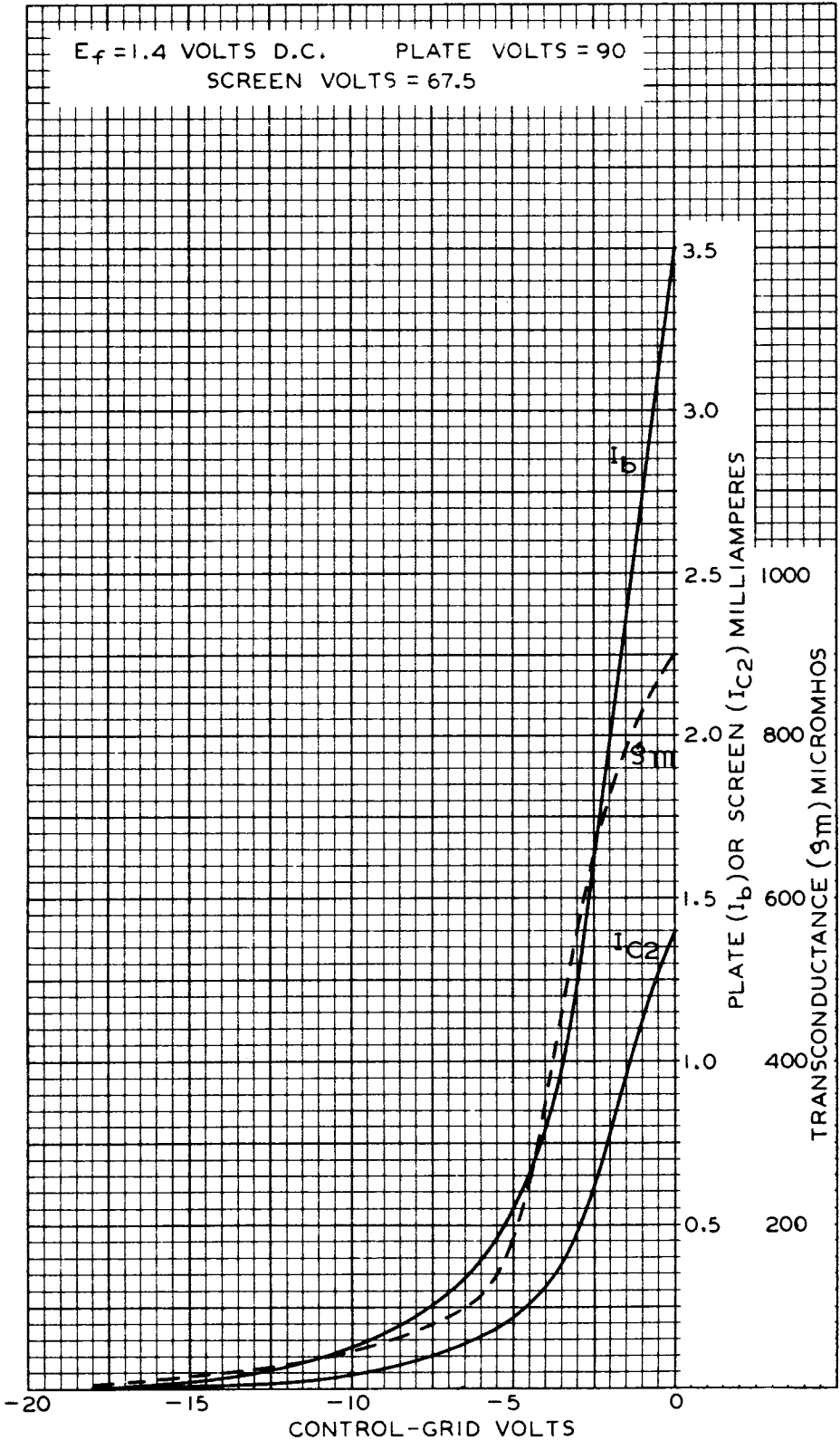


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AVERAGE CHARACTERISTICS

$E_f = 1.4$ VOLTS D.C. PLATE VOLTS = 90
SCREEN VOLTS = 67.5



JAN. 24, 1942

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

92C-6357

1T4

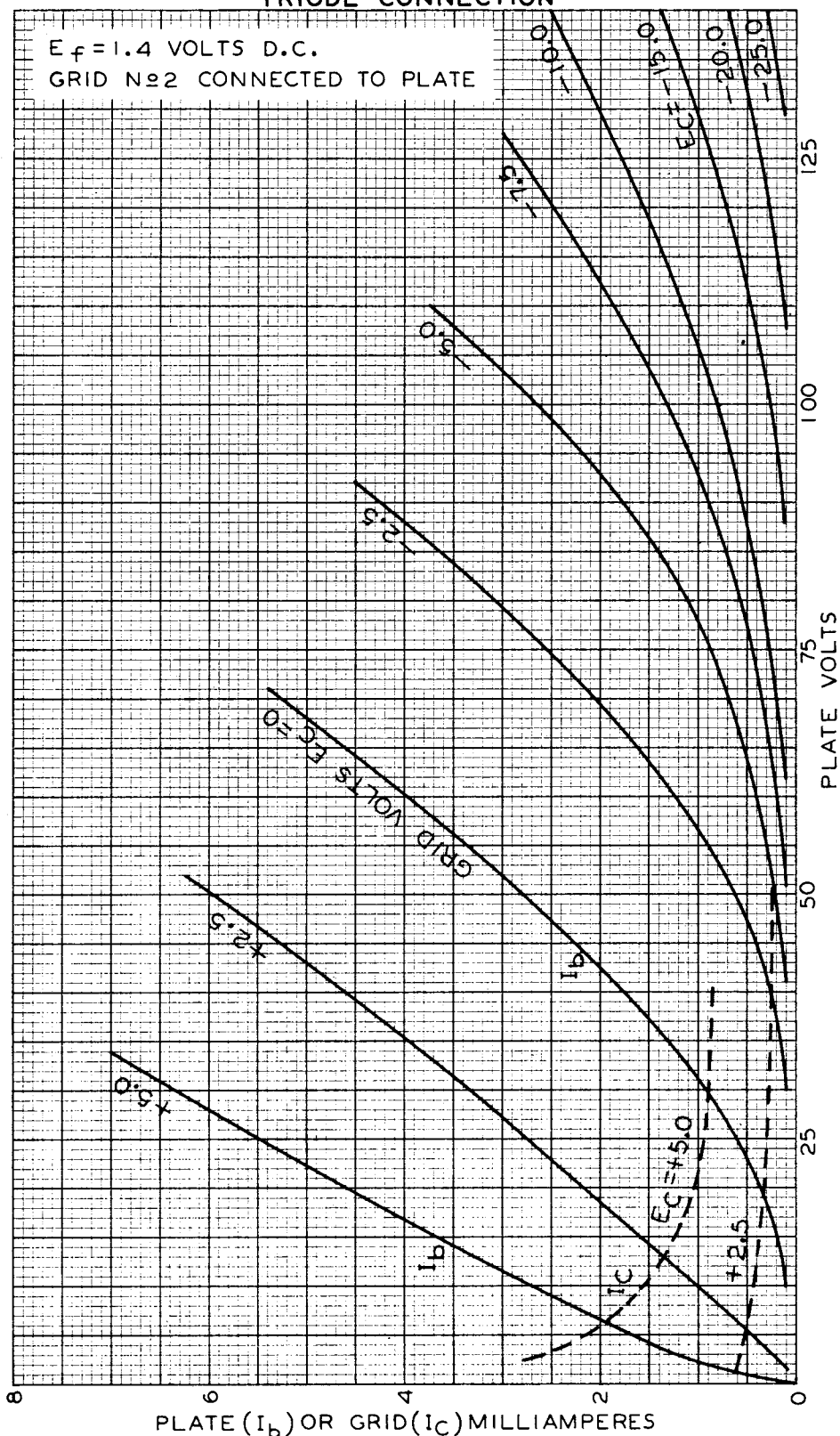


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AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION

$E_f = 1.4$ VOLTS D.C.

GRID No2 CONNECTED TO PLATE



FEB.16,1943

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

92C-6352R1