RCA

6L4

OSCILLATOR TRIODE

ACORN TYPE

GENERAL DATA

Electrical:

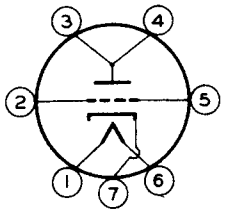
Heater, for Unipotential Cathode:		
Voltage	6.3	ac or dc volts
Current	0.225	amp
Direct Interelectrode Capacitances:*		
Grid to Plate	1.6	μμf
Grid to Cathode	1.8	μμf
Plate to Cathode	0.5	μμf

* With no external shield.

Mechanical:

Mounting Position	Any
Overall Length	1-7/32" ± 5/32"
Overall Diameter (Including radial pins)	1-3/32" ± 1/16"
Bulb	T-4-1/2
Base	Small Radial 7-Pin
Basing Designation for BOTTOM VIEW	7BR

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



AMPLIFIER – Class A_1

Maximum Ratings, *Design-Center Values*:

PLATE VOLTAGE	500 max.	volts
PLATE DISSIPATION	1.7 max.	watts
PLATE CURRENT	15 max.	ma
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	80 max.	volts
Heater positive with respect to cathode	80 max.	volts

Typical Operation and Characteristics:

Plate Voltage	80	volts
Cathode-Bias Resistor	150	ohms
Amplification Factor	28	
Plate Resistance	4400	ohms
Transconductance	6400	μmhos
Plate Current	9.5	ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:	
For fixed bias	Not Recommended
For cathode bias	0.5 max. megohm

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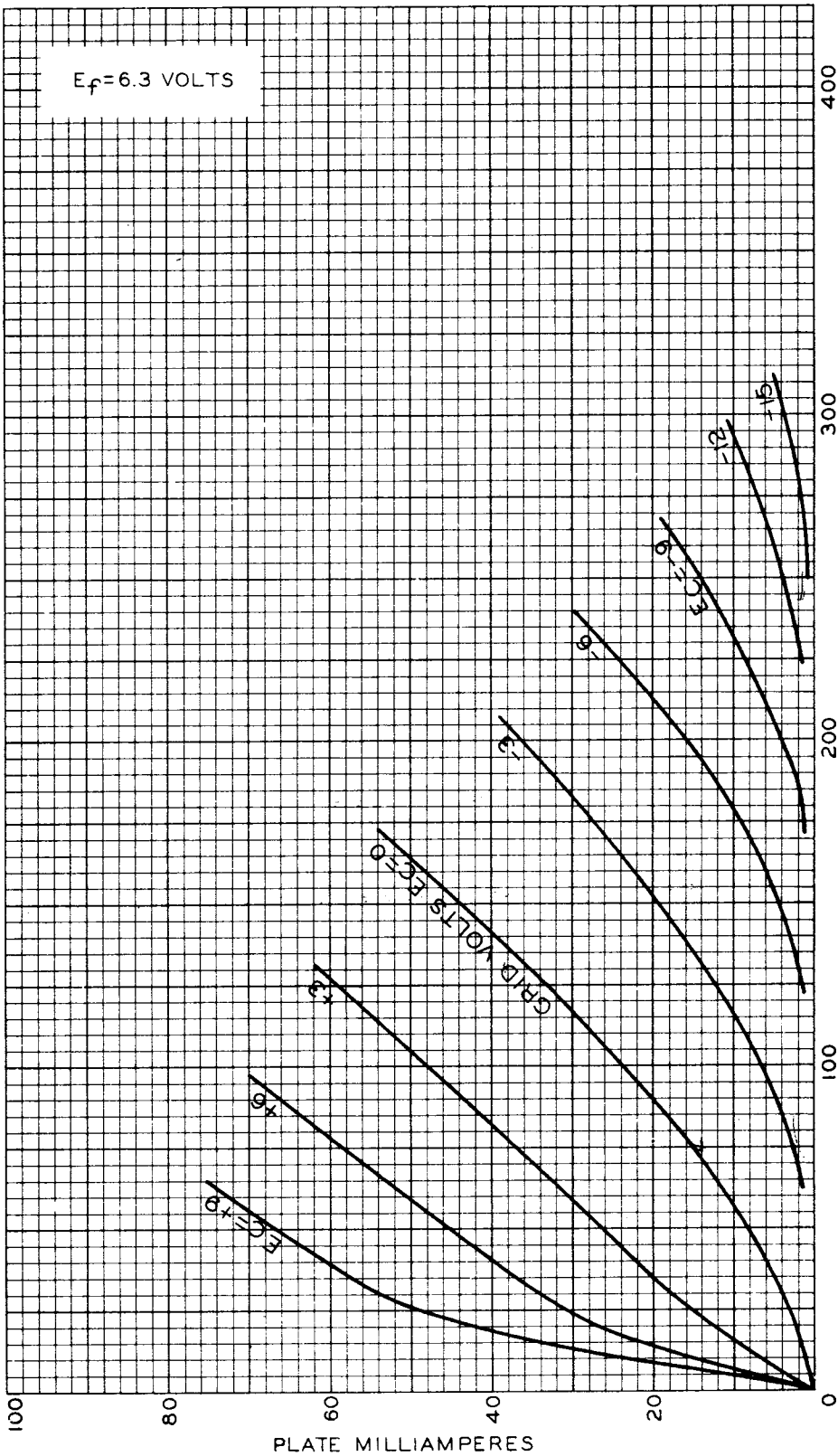
AVERAGE PLATE CHARACTERISTICS



MAR. 8, 1949

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-7199

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TYPICAL CHARACTERISTICS