



6BJ6

REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

6BJ6

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.15 amp

Direct Interelectrode Capacitances:

	<i>Without External Shield</i>	<i>With External Shield^o</i>	
Grid No.1 to plate	0.0035 max.	0.0035 max.	μf
Grid No.1 to cathode, grid No.3 & internal shield, grid No.2, and heater	4.5	4.5	μf
Plate to cathode, grid No.3 & internal shield, grid No.2, and heater	5.5	5.5	μf

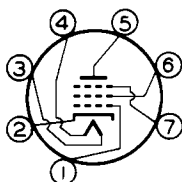
Characteristics, Class A₁ Amplifier:

Plate Voltage.	100	250	volts
Grid No.3 (Suppressor)	<i>Connected to cathode at socket</i>		
Grid-No.2 Voltage.	100	100	volts
Grid-No.1 Voltage.	-1	-1	volt
Plate Resistance (Approx.) . .	0.25	1.3	megohm
Transconductance	3650	3600	μmhos
Plate Current.	9	9.2	ma
Grid-No.2 Current.	3.5	3.3	ma
Grid-No.1 Voltage (Approx.) for transconductance of 10 μmhos	-20	-20	volts

Mechanical:

Mounting Position.	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length.	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" $\pm$ 3/32"
Maximum Diameter	3/4"
Dimensional Outline.	<i>See General Section</i>
Bulb	T-5-1/2
Base	Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for BOTTOM VIEW	7CM

Pin 1 - Grid No.1
Pin 2 - Cathode
Pin 3 - Heater
Pin 4 - Heater
Pin 5 - Plate



Pin 6 - Grid No.2
Pin 7 - Grid No.3,
Internal
Shield

^o with external shield JETEC No.316 connected to cathode.

← Indicates a change.

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AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE.	300 max. volts
GRID-No.2 (SCREEN) SUPPLY VOLTAGE.	300 max. volts
→ GRID-No.2 VOLTAGE.	See Grid-No.2 Input Rating Chart at front of Receiving Tube Section
GRID-No.1 (CONTROL-GRID) VOLTAGE:	
Negative bias value.	50 max. volts
Positive bias value.	0 max. volts
PLATE DISSIPATION.	3 max. watts
→ GRID-No.2 INPUT:	
For grid-No.2 voltages up to 150 volts . .	0.6 max. watt
For grid-No.2 voltages between 150 and 300 volts.	See Grid-No.2 Input Rating Chart at front of Receiving Tube Section
PEAK HEATER-CATHODE VOLTAGE:	
Heater negative with respect to cathode. .	90 max. volts
Heater positive with respect to cathode. .	90 max. volts

→ Indicates a change.

SEPT. 1, 1955

TUBE DIVISION

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

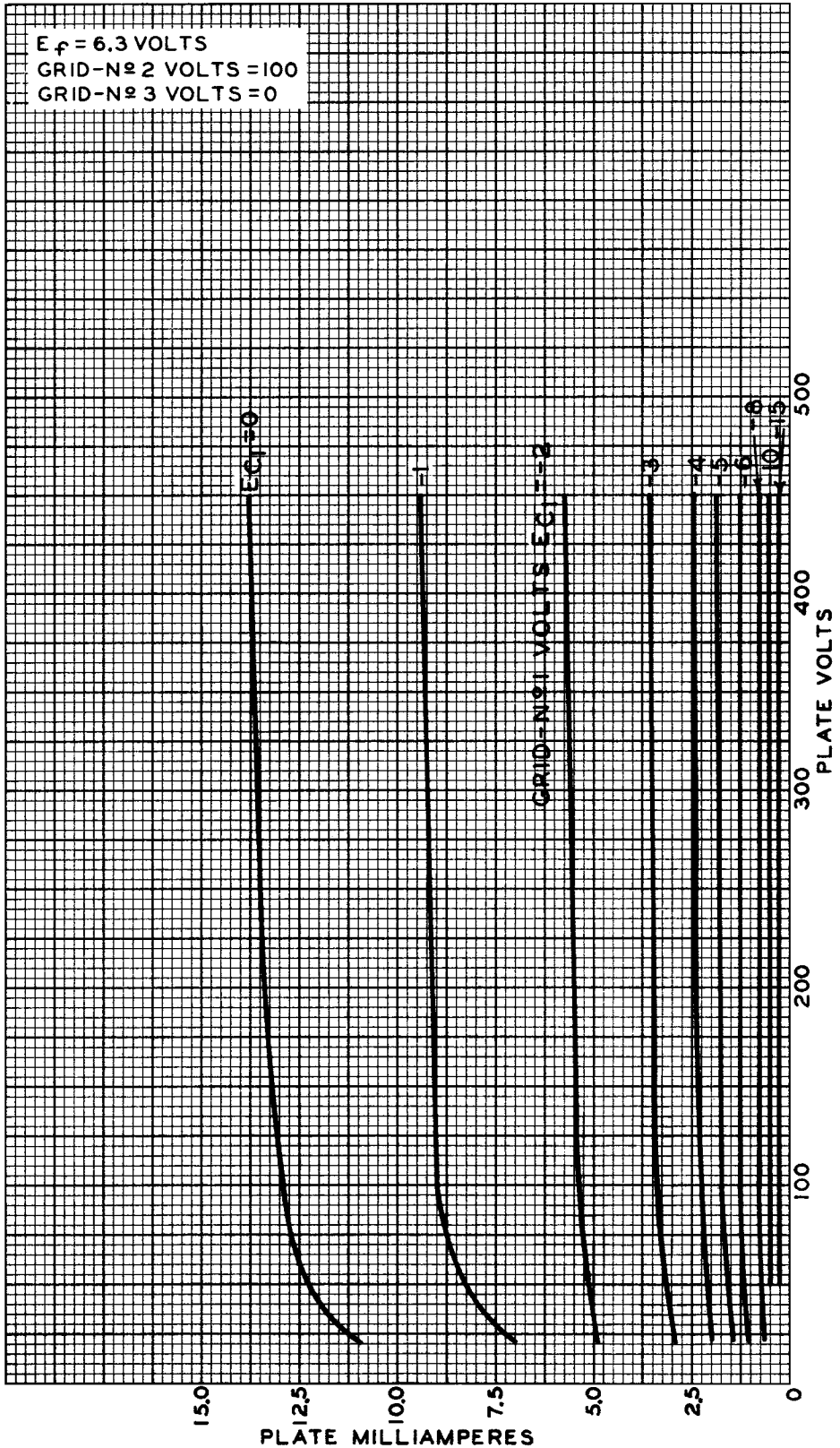


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AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION

$E_f = 6.3$ VOLTS
GRID-№2 VOLTS = 100
GRID-№3 VOLTS = 0



MAY 29, 1947

TUBE DEPARTMENT

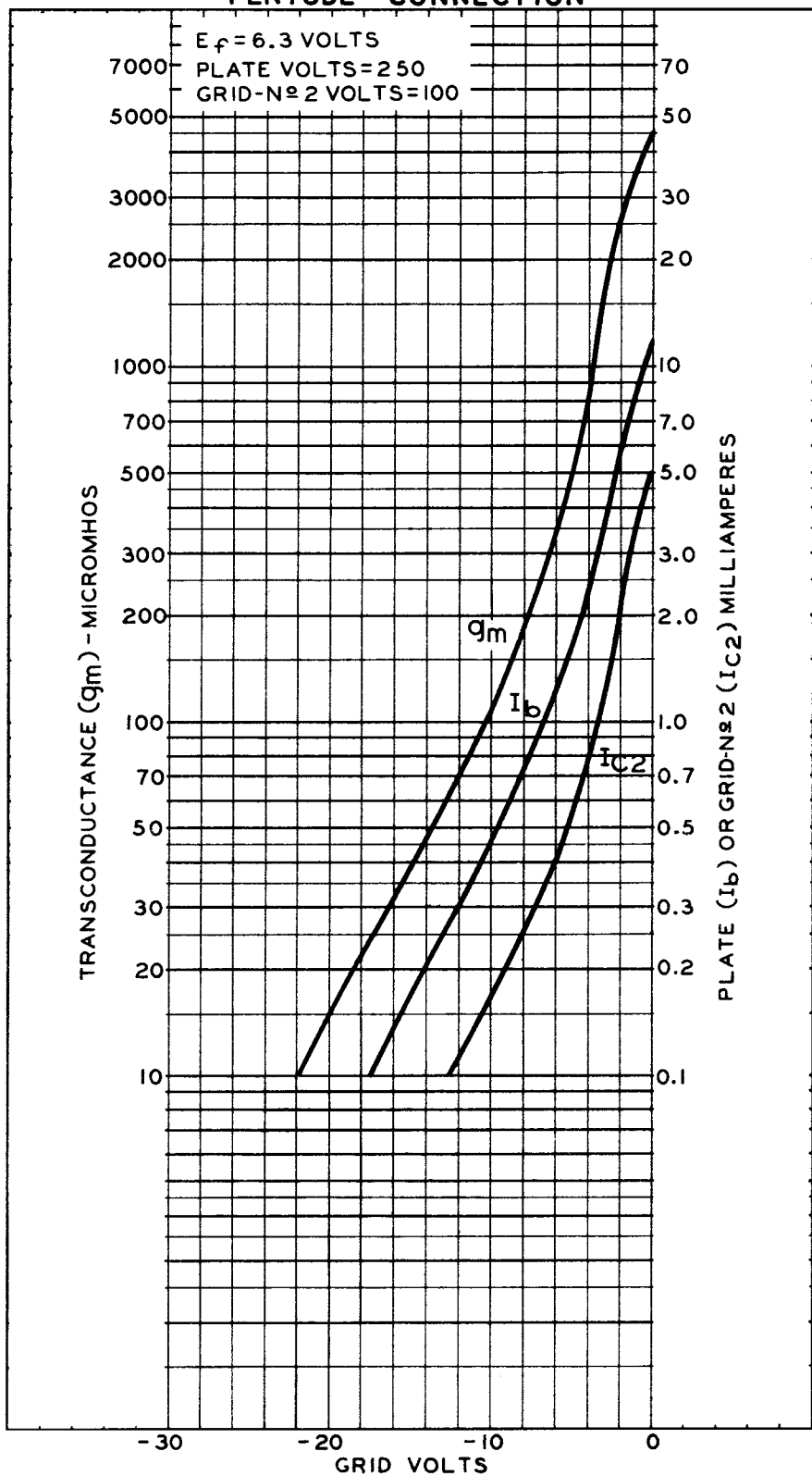
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AVERAGE CHARACTERISTICS
PENTODE CONNECTION



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AVERAGE CHARACTERISTICS PENTODE CONNECTION

