



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:

	Without External Shield	With External Shield ^o	
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

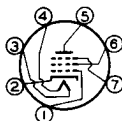
Characteristics, Class A₁ Amplifier:

Plate Voltage.	100	250	volts
Grid No.3 (Suppressor)	Connected to cathode at socket		
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. See General Section
 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.

SEPT. 1, 1955

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 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

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REMOTE-CUTOFF PENTODE

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

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

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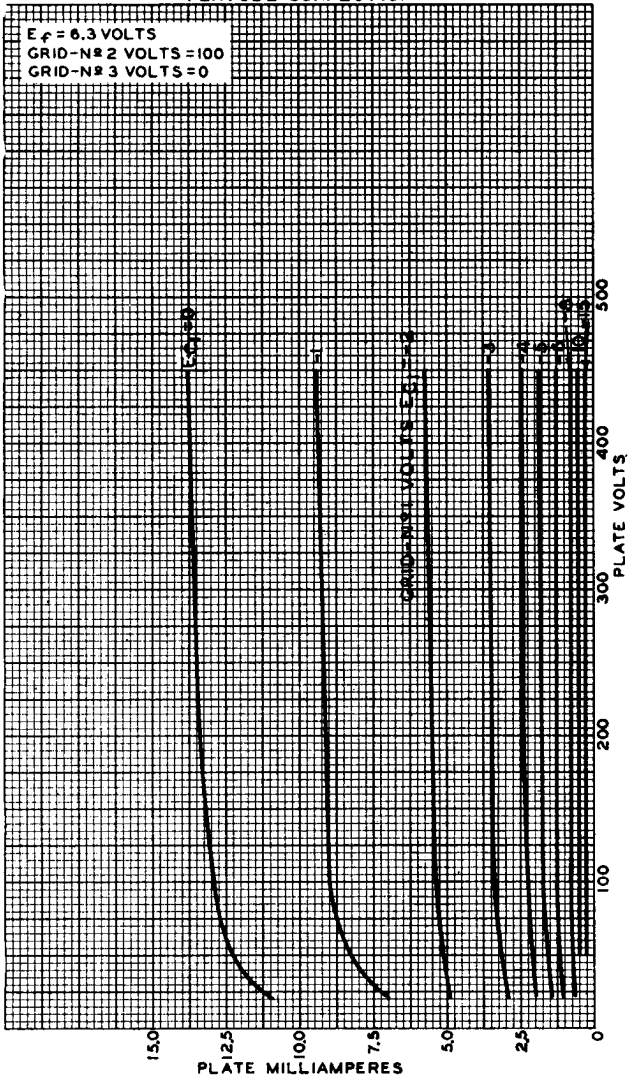
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AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION



MAY 29, 1947

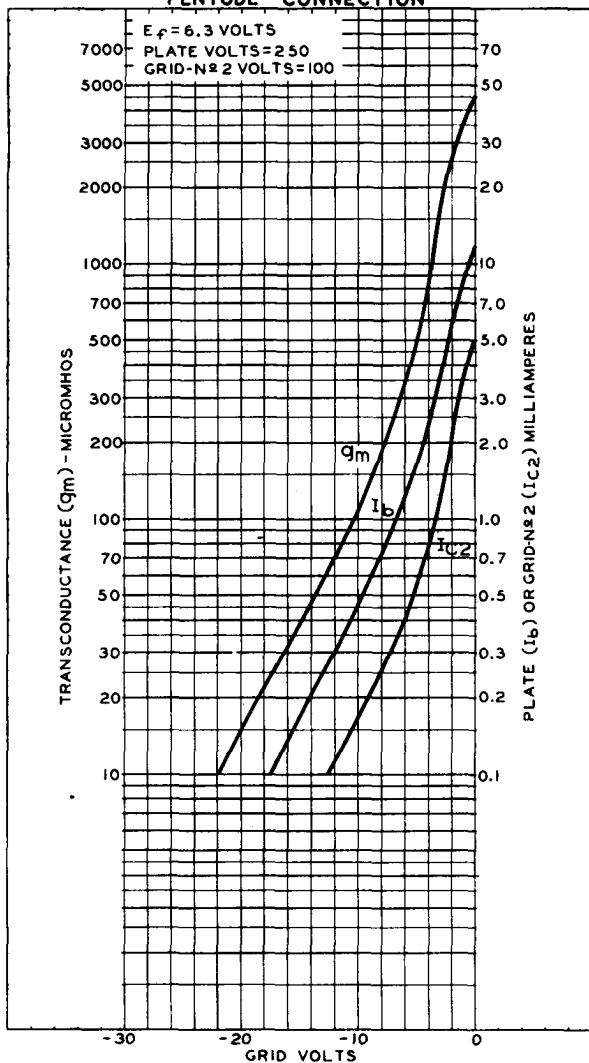
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92CM-6867

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AVERAGE CHARACTERISTICS
PENTODE CONNECTION

JUNE 2, 1947

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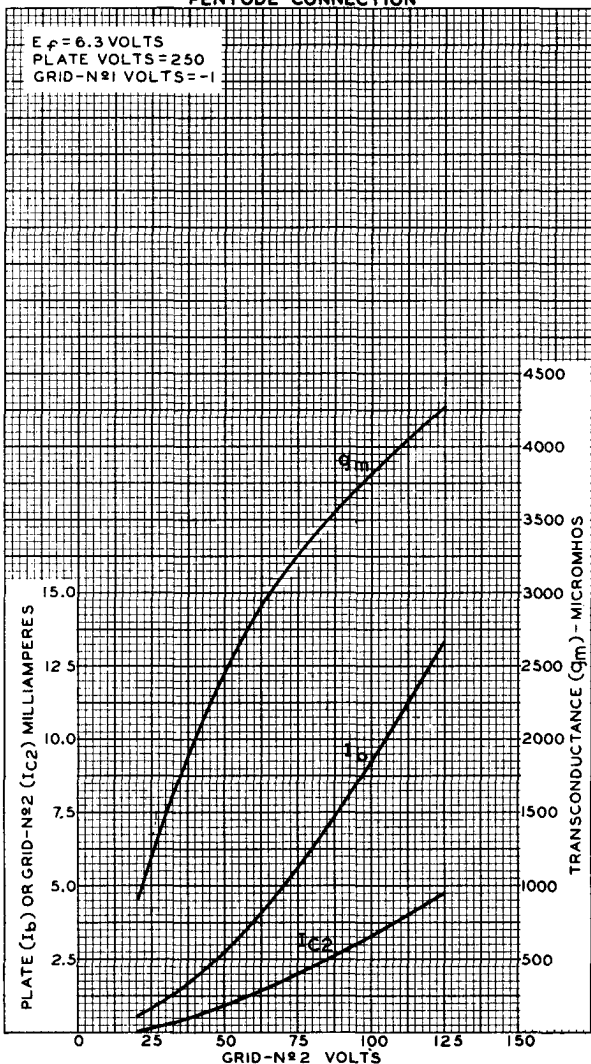
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AVERAGE CHARACTERISTICS PENTODE CONNECTION



JUNE 5, 1947

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