



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

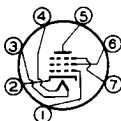
Characteristics, Class A₁ Amplifier:

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.

6BJ6



6BJ6

REMOTE-CUTOFF PENTODE

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
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

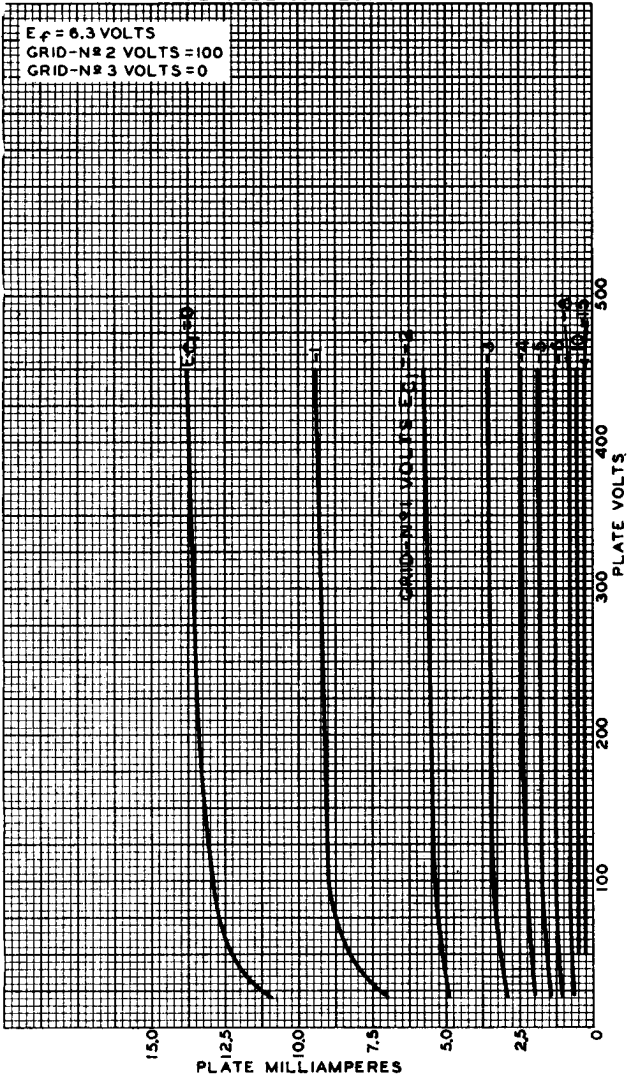
DATA



6BJ6

6BJ6

AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION



MAY 29, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

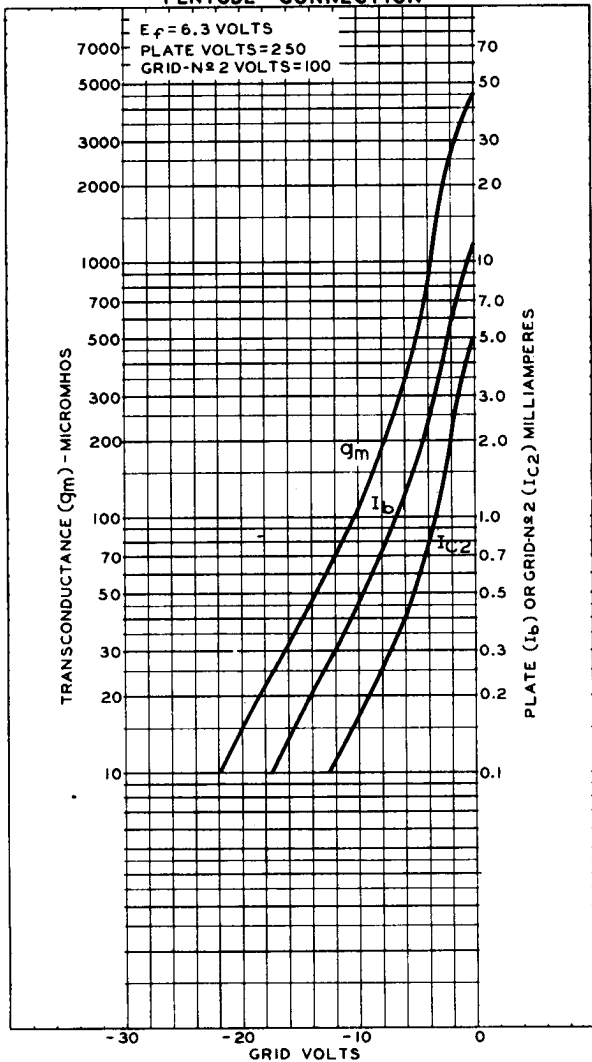
92CM-6867

6BJ6



6BJ6

AVERAGE CHARACTERISTICS PENTODE CONNECTION



JUNE 2, 1947

 TUBE DEPARTMENT
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

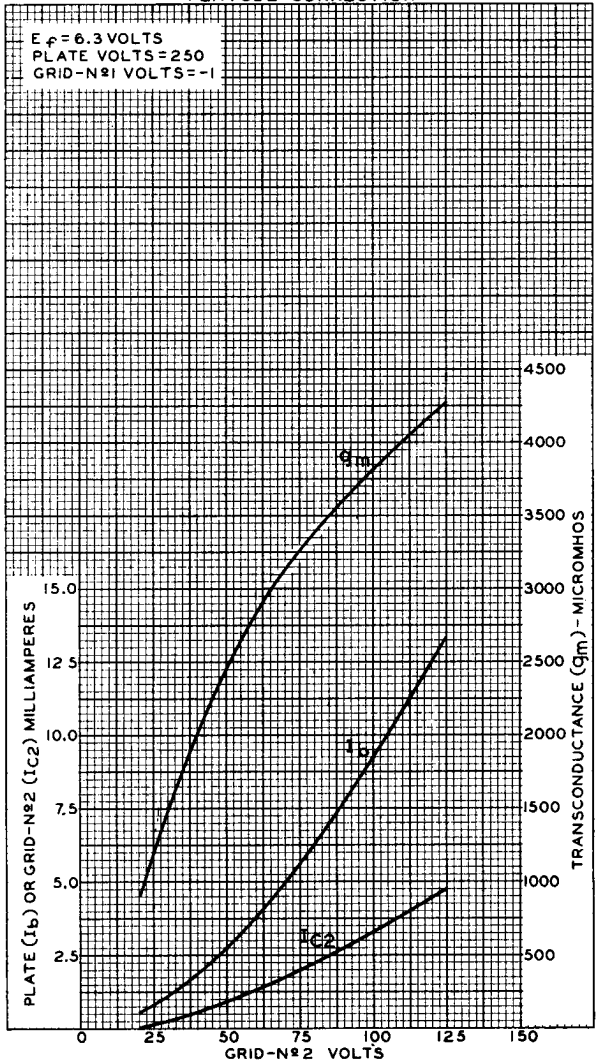
92CM-6868



6BJ6

6BJ6

AVERAGE CHARACTERISTICS PENTODE CONNECTION



JUNE 5, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6870