



12CR6

DIODE-REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

12CR6

GENERAL DATA

Electrical:

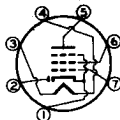
Heater, for Unipotential Cathode:

Voltage.	12.6	. . . . .	ac or dc volts
Current.	0.15	. . . . .	amp

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" ± 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 . . . . .	. . . . .	7EA

- Pin 1 - Cathode,
Pentode
Grid No. 3
- Pin 2 - Diode
Plate
- Pin 3 - Heater
- Pin 4 - Heater



- Pin 5 - Pentode
Plate
- Pin 6 - Pentode
Grid No. 2
- Pin 7 - Pentode
Grid No. 1

PENTODE UNIT - Class A₁ Amplifier

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE.	300 max.	volts
GRID-No. 2 (SCREEN-GRID) SUPPLY VOLTAGE.	300 max.	volts
GRID-No. 2 VOLTAGE.	<i>See Grid-No. 2 Input Rating Chart at front of Receiving Tube Section</i>	
GRID-No. 1 (CONTROL-GRID) VOLTAGE:		
Positive bias value.	0 max.	volts
PLATE DISSIPATION.	2.5 max.	watts
GRID-No. 2 INPUT:		
For grid-No. 2 voltages up to 150 volts.	0.3 max.	watt
For grid-No. 2 voltages between 150 and 300 volts.	<i>See Grid-No. 2 Input Rating Chart at front of Receiving Tube Section</i>	
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.	100 max.	volts
Heater positive with respect to cathode.	100 max.	volts

Characteristics:

Plate Voltage.	250	volts
Grid-No. 2 Voltage.	100	volts
Grid-No. 1 Voltage.	-2	volts
Plate Resistance (Approx.)	0.8	megohm
Transconductance	2200	μmhos



12CR6

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Plate Current.	9.6	ma
Grid-No.2 Current.	2.6	ma
Grid-No.1 Voltage (Approx.) for transconductance of 10 μ hos	-32	volts

Maximum Circuit Values:

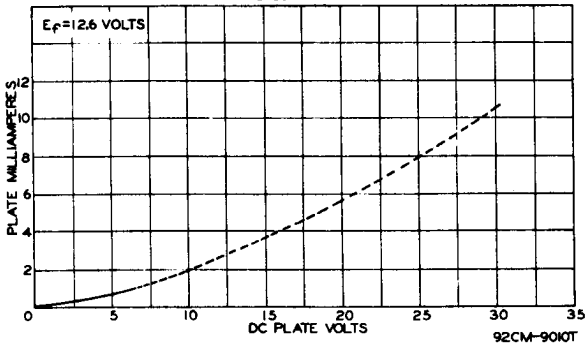
Grid-No.1-Circuit Resistance:		
For cathode-bias operation	1.0 max.	megohm
For fixed-bias operation	0.25 max.	megohm

DIODE UNIT

Maximum Ratings, Design-Center Values:

PLATE CURRENT.	1.0 max.	ma
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AVERAGE PLATE CHARACTERISTIC
DIODE UNIT

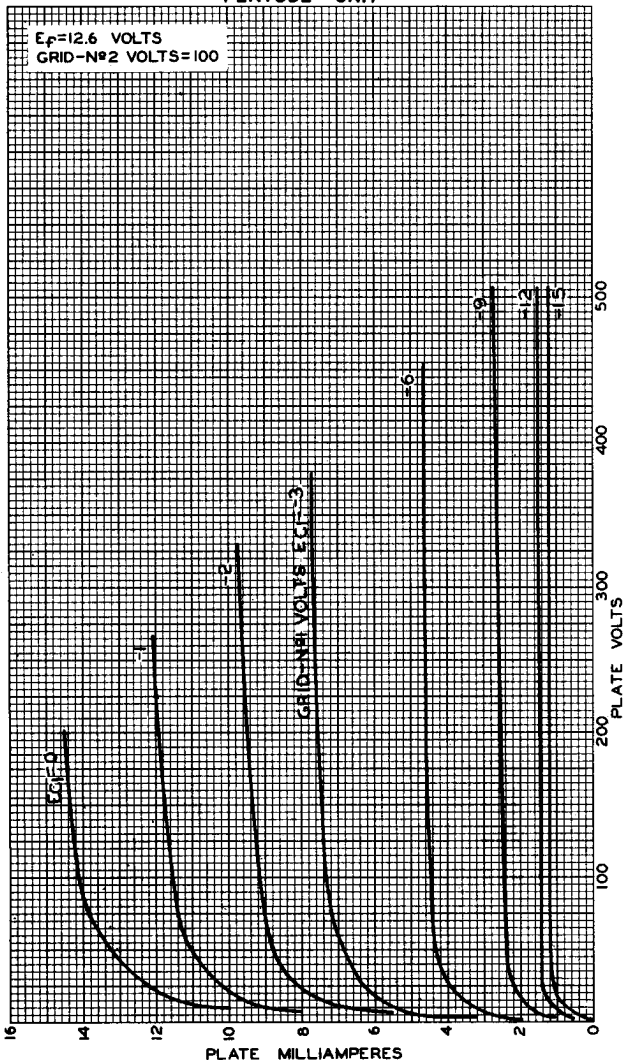




12CR6

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AVERAGE PLATE CHARACTERISTICS PENTODE UNIT



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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

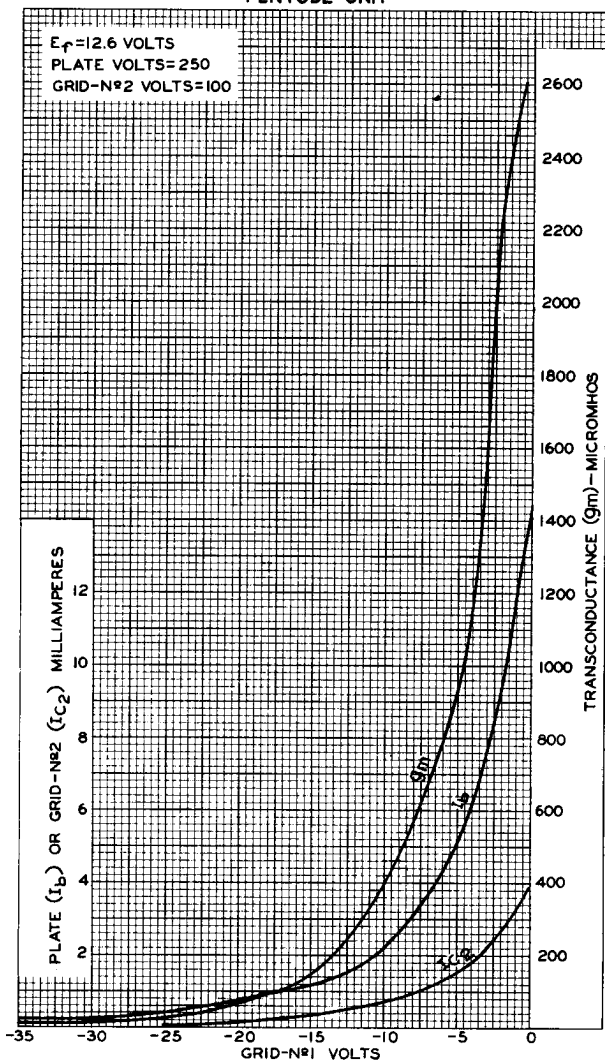
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12CR6



12CR6

AVERAGE CHARACTERISTICS PENTODE UNIT



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