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DIODE—REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage	6.3		ac or dc volts
Current	0.3		amp

Mechanical:

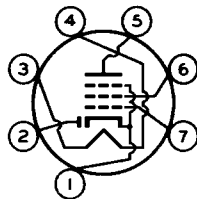
Operating Position.	Any
Maximum Overall Length.	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" $\pm$ 3/32"
Diameter.	.0.650" to 0.750"
Dimensional Outline	See General Section
Bulb.	T5-1/2
Base.	Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for 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 — Amplifier - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE	300 max.	volts
GRID-No.2 (SCREEN-GRID) 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:		
Positive-bias value	0 max.	volts
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	See Grid-No.2 Input Rating Chart at front of Receiving Tube Section	
PLATE DISSIPATION	2.5 max.	watts
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	μ mhos

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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 mhos	-32	volts

Maximum Circuit Values:

Grid-No.1—Circuit Resistance:

For cathode-bias operation	1 max. megohm
For fixed-bias operation	0.25 max. megohm

DIODE UNIT

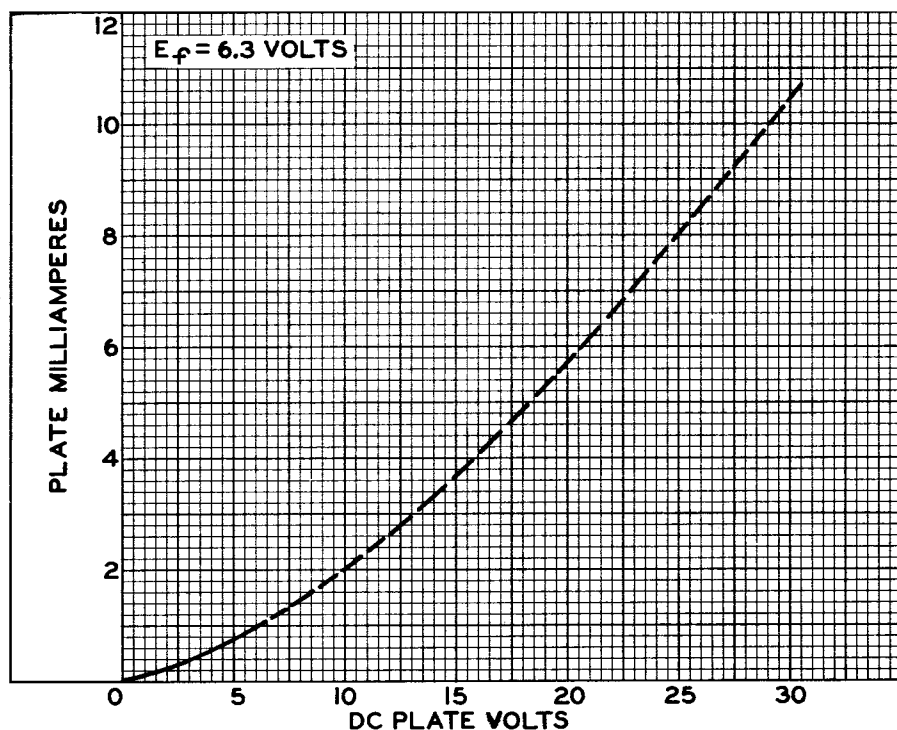
Maximum Ratings, Design-Center Values:

PLATE CURRENT.	1 max.	ma
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.	100 max.	volts
Heater positive with respect to cathode.	100 max.	volts

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TENTATIVE DATA

AVERAGE PLATE CHARACTERISTIC DIODE UNIT



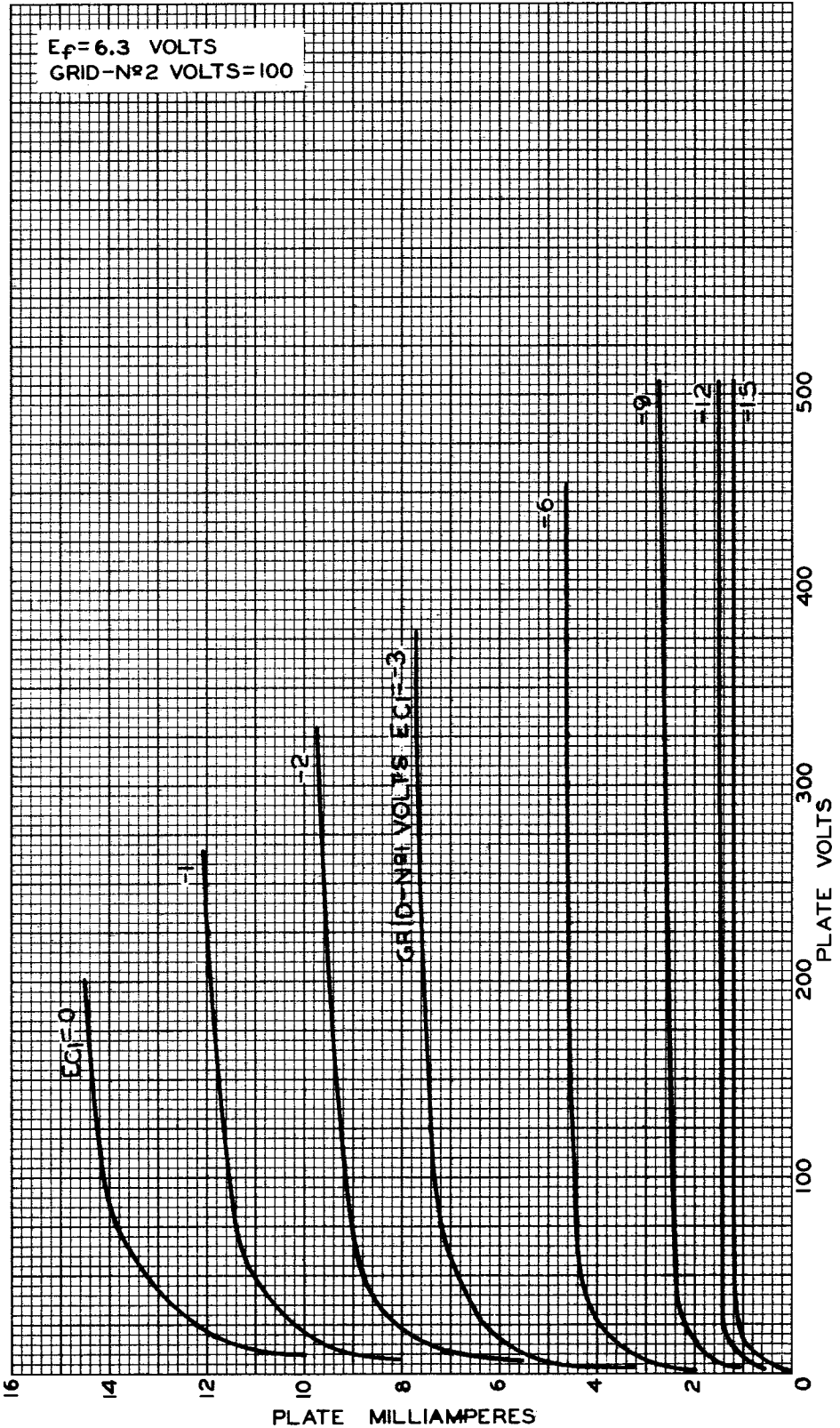


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AVERAGE PLATE CHARACTERISTICS PENTODE UNIT

$E_f = 6.3$ VOLTS
GRID-N^o2 VOLTS=100



ELECTRON TUBE DIVISION

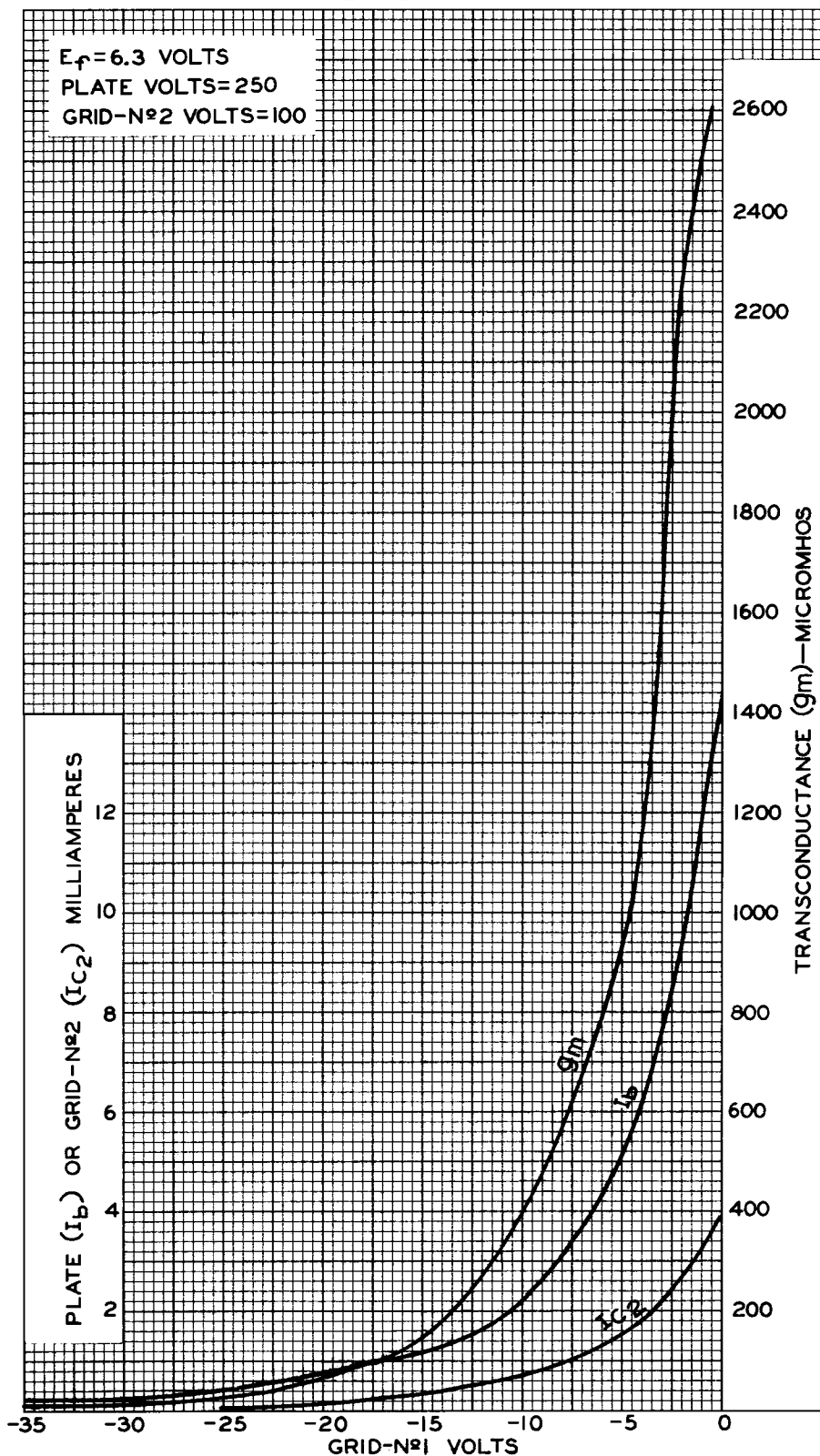
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AVERAGE CHARACTERISTICS
PENTODE UNIT

ELECTRON TUBE DIVISION

92CM-9719

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