MECHANICAL DATA

Bulb	T-6½
Base	E9-1, Miniature Button 9-Pin
Outline	6-2
Basing	Per Diagram
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Range	12-15 Volts	
Heater Current at Ef = 13.5 Volts	280 Ma	
Heater-Cathode Voltage (Absolute Maximum Values)		
Heater Negative with Respect to Cathode	120 Volts	Max.
Heater Positive with Respect to Cathode	120 Volts	Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Triode		
Grid to Plate	2.2 μμf	
Input	2.4 μμf	
Output	0.22 μμf	
Pentode		
Grid to Plate	0.044 μμf	
Input	7.1 μμf	
Output	2.5 μμf	
Coupling: Pentode Grid No. 1 to Triode Plate	0.015 μμf	Max.
Coupling: Triode Grid to Pentode Plate	0.022 μμf	Max.
Coupling: Pentode Plate to Triode Plate	0.16 μμf	Max.

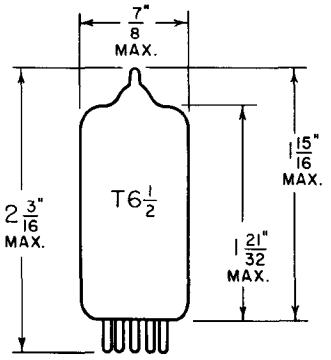
RATINGS (Absolute Maximum Values)

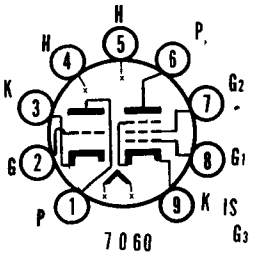
Class A1 Amplifier	Triode Section	Pentode Section		
Plate Voltage	300	300	Volts	Max.
Grid No. 2 Supply Voltage	.....	300	Volts	Max.
Grid No. 2 Voltage	See Rating Chart			
Plate Dissipation	2.5	3.0	Watts	Max.
Grid No. 2 Dissipation	.....	1.0	Watts	Max.
Positive Grid No. 1 Voltage	0	0	Volts	Max.
Grid No. 1 Circuit Resistance				
Fixed Bias	0.5	0.25	Megohm	Max.
Self Bias	1.0	1.0	Megohm	Max.

QUICK REFERENCE DATA

The Sylvania Type 7060 is a miniature medium mu triode sharp cutoff pentode intended for use in mobile communications equipment. Featuring a 13.5 volt heater, the 7060 is designed for dependable operation over the wide range of heater voltage encountered in this service.

Except for heater characteristics, the Type 7060 is similar to the 6AU8.





SYLVANIA
ELECTRONIC TUBES
A Division of
Sylvania Electric Products Inc.
RECEIVING TUBE
OPERATIONS
EMPORIUM, PA.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

NOVEMBER, 1959

File Under
RECEIVING TUBES

(Class C Amplifier)	(CCS) RF Power Amp. & Osc.[1] and FM RF Power Amp.		
Plate Voltage	300	Volts	Max.
Grid No. 3 Voltage	0	Volts	Max.
Grid No. 2 Voltage	150	Volts	Max.
Negative Grid No. 1 Voltage	50	Volts	Max.
Positive Grid No. 1 Voltage	0	Volts	Max.
Plate Current	20	Ma	Max.
Grid No. 2 Current	7	Ma	Max.
Grid No. 1 Current	3	Ma	Max.
Plate Dissipation	2.75	Watts	Max.
Grid No. 2 Dissipation	0.8	Watt	Max.
Grid No. 1 Circuit Resistance	0.1	Megohm	Max.

CHARACTERISTICS AND TYPICAL OPERATION

(Class A1 Amplifier)	Triode Section	Pentode Section	
Plate Voltage	150	200	Volts
Grid No. 2 Voltage	.....	125	Volts
Cathode Bias Resistor	150	82	Ohms
Amplification Factor	40	.....	
Plate Resistance (Approx.)	0.0082	0.15	Megohm
Transconductance	4900	7000	μmhos
Plate Current	9.0	15	Ma
Grid No. 2 Current		3.4	Ma
EC1 for I_b = 100 μa (Approx.)	–6.5	–8.0	Volts

(Class C Amplifier)	RF Power Amp. & Osc.[1] and FM RF Power Amp.			
Plate Voltage	200	250	300	Volts
Grid No. 3	Connected to Cathode			
Grid No. 2 Voltage	85	105	125	Volts
Grid No. 1 Voltage	–7	–9	–11	Volts
Plate Current	11	15	20	Ma
Grid No. 2 Current	3.2	4.5	6	Ma
Grid No. 1 Current (Approx.)	0.9	1.2	1.6	Ma
Driving Power (Approx.)	9	15	25	Mw
Power Output	1.3	2.1	3.5	Watts

SPECIAL TESTS

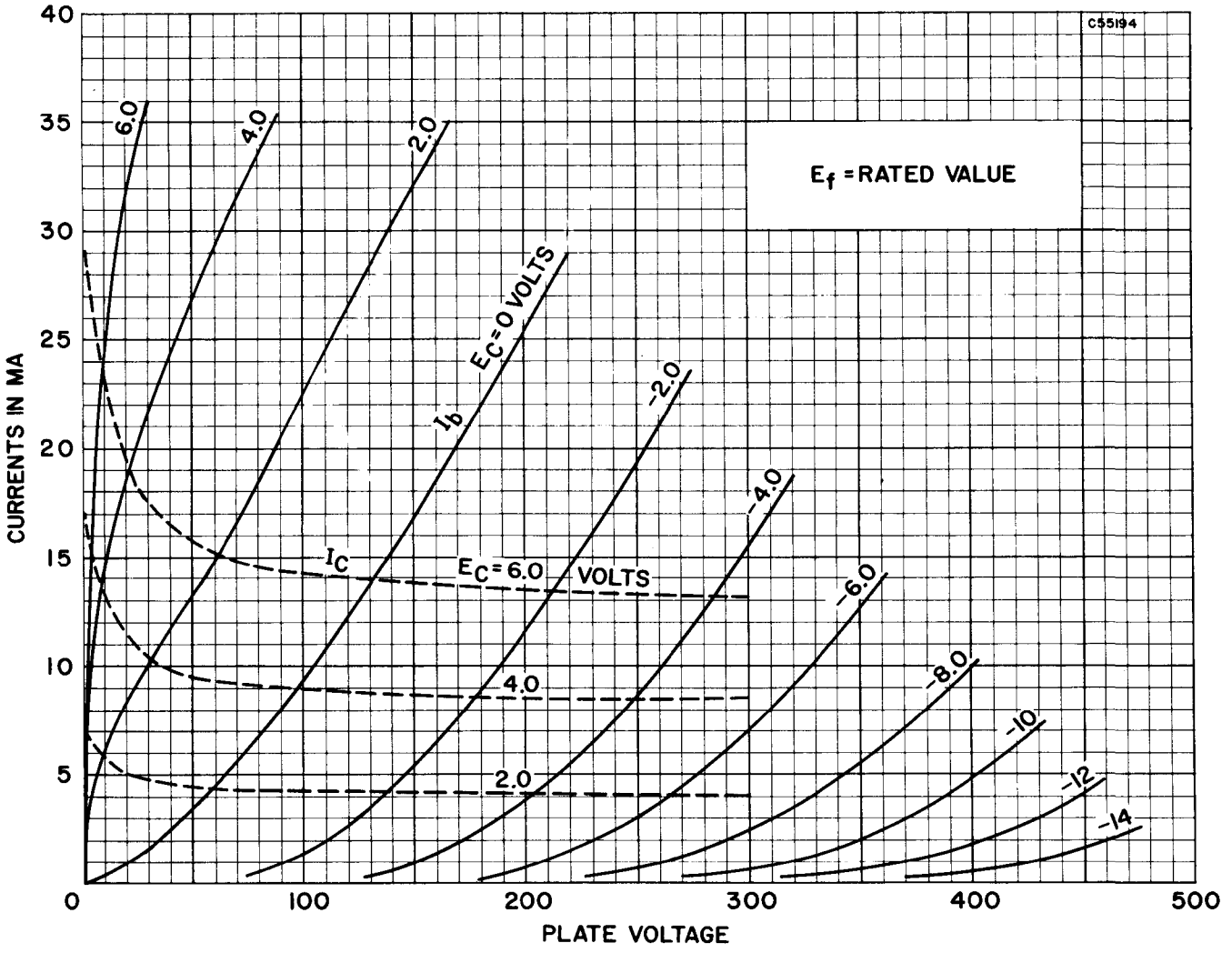
Heater Cycling Life Test
Ef = 17.0 V; 1 min. on, 4 min. off;
Ehk = –150 Vdc . . . . . 2000 Cycles Min.

Low Frequency Vibration: Ep
G = 2.5 @ 25 cps
Triode Section . . . . . 150 mVac Max.
Pentode Section . . . . . 250 mVac Max.

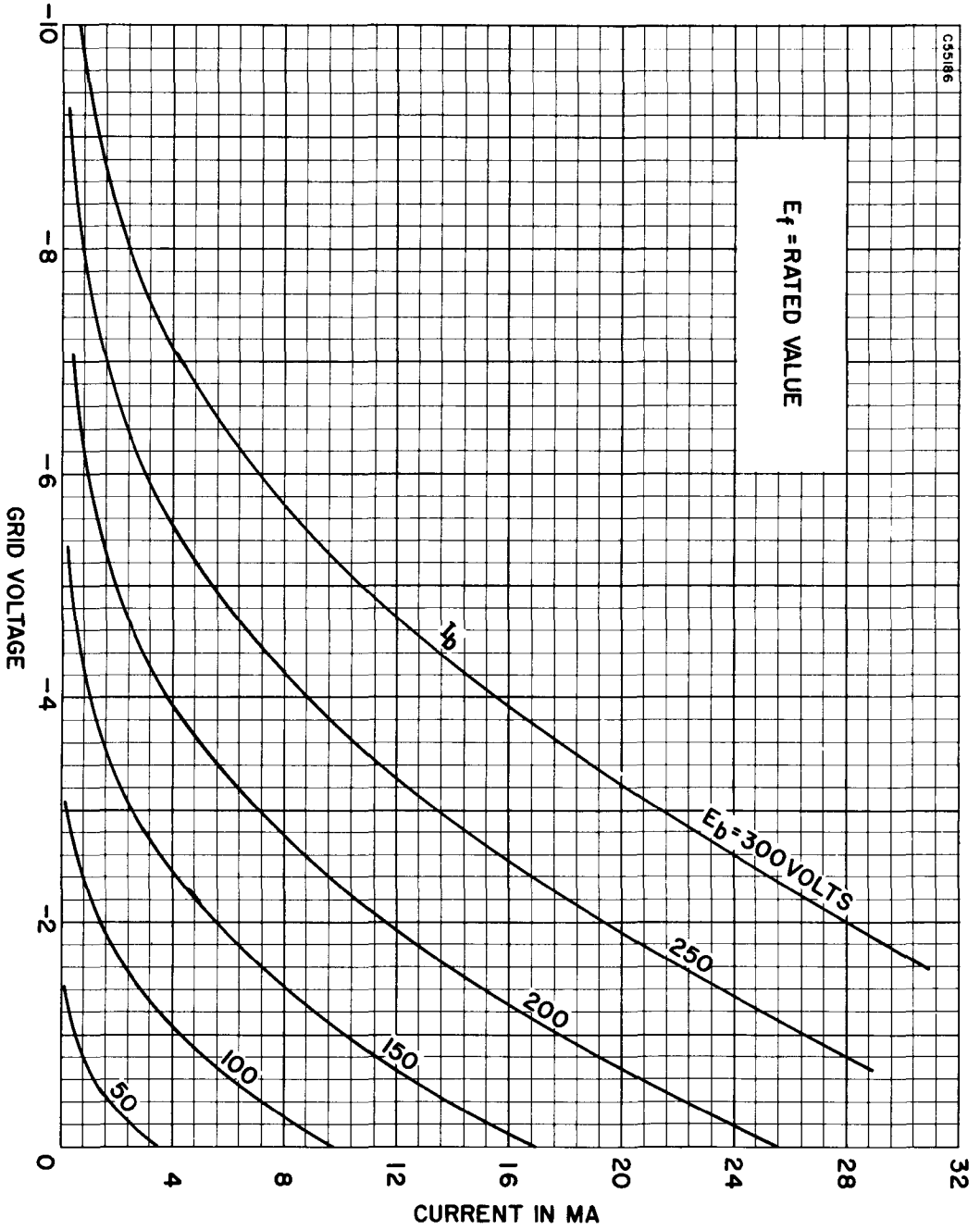
NOTE:

1. *Key-down conditions per tube without amplitude modulation. Amplitude modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115% of the carrier conditions.*

AVERAGE PLATE CHARACTERISTICS
(TRIODE SECTION)



AVERAGE TRANSFER CHARACTERISTICS
(TRIODE SECTION)



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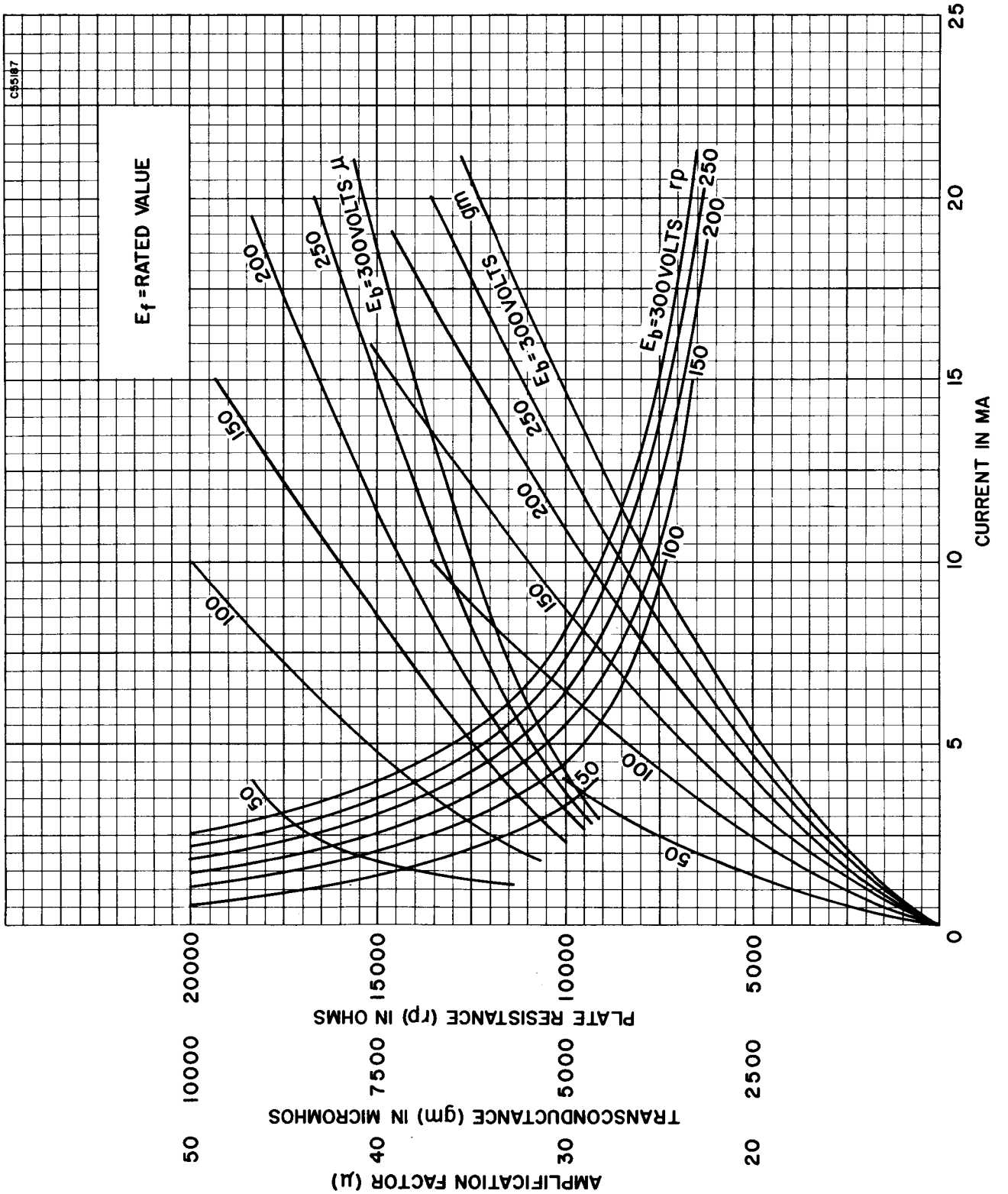
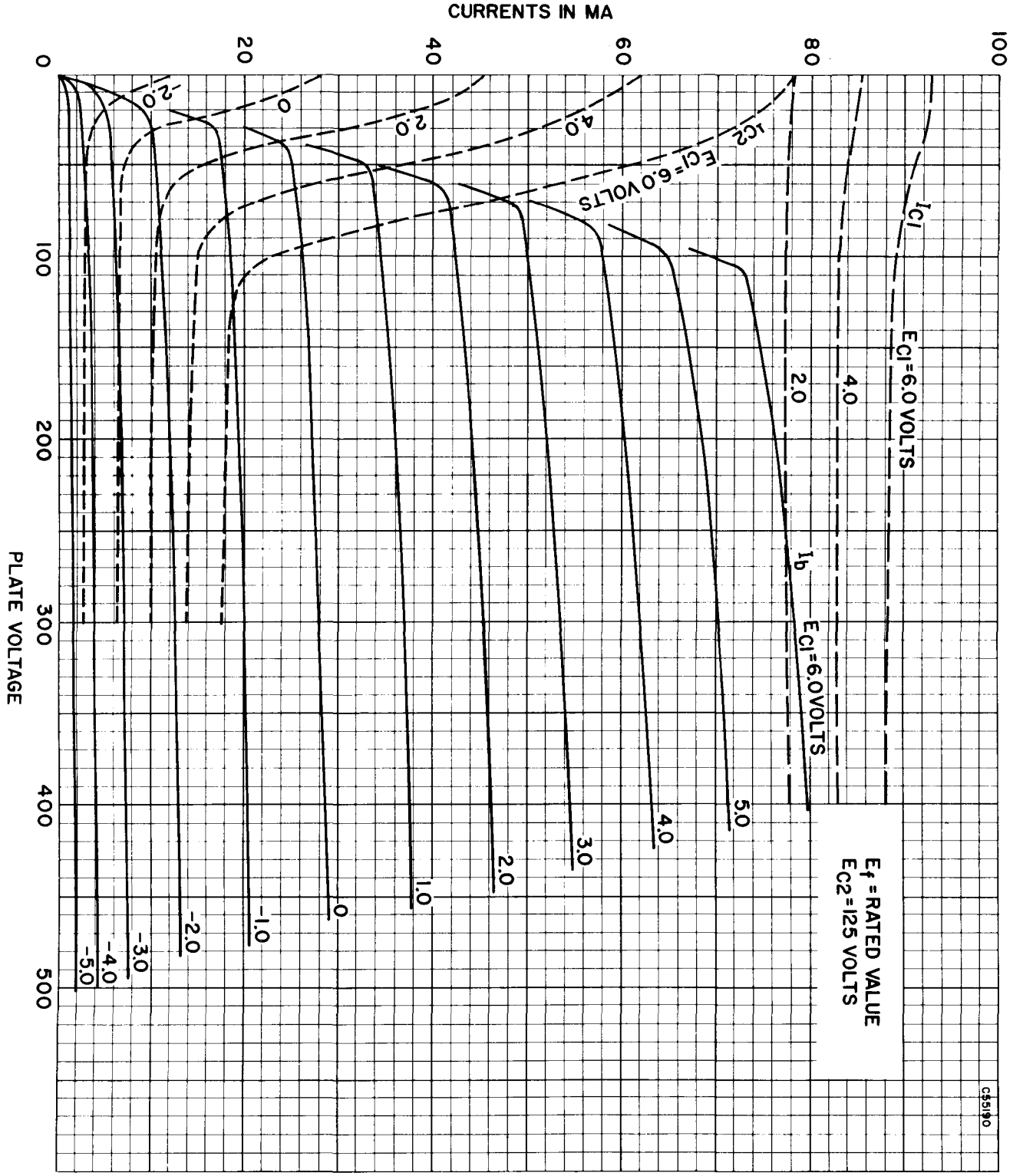


AVERAGE PLATE CHARACTERISTICS
(PENTODE SECTION)



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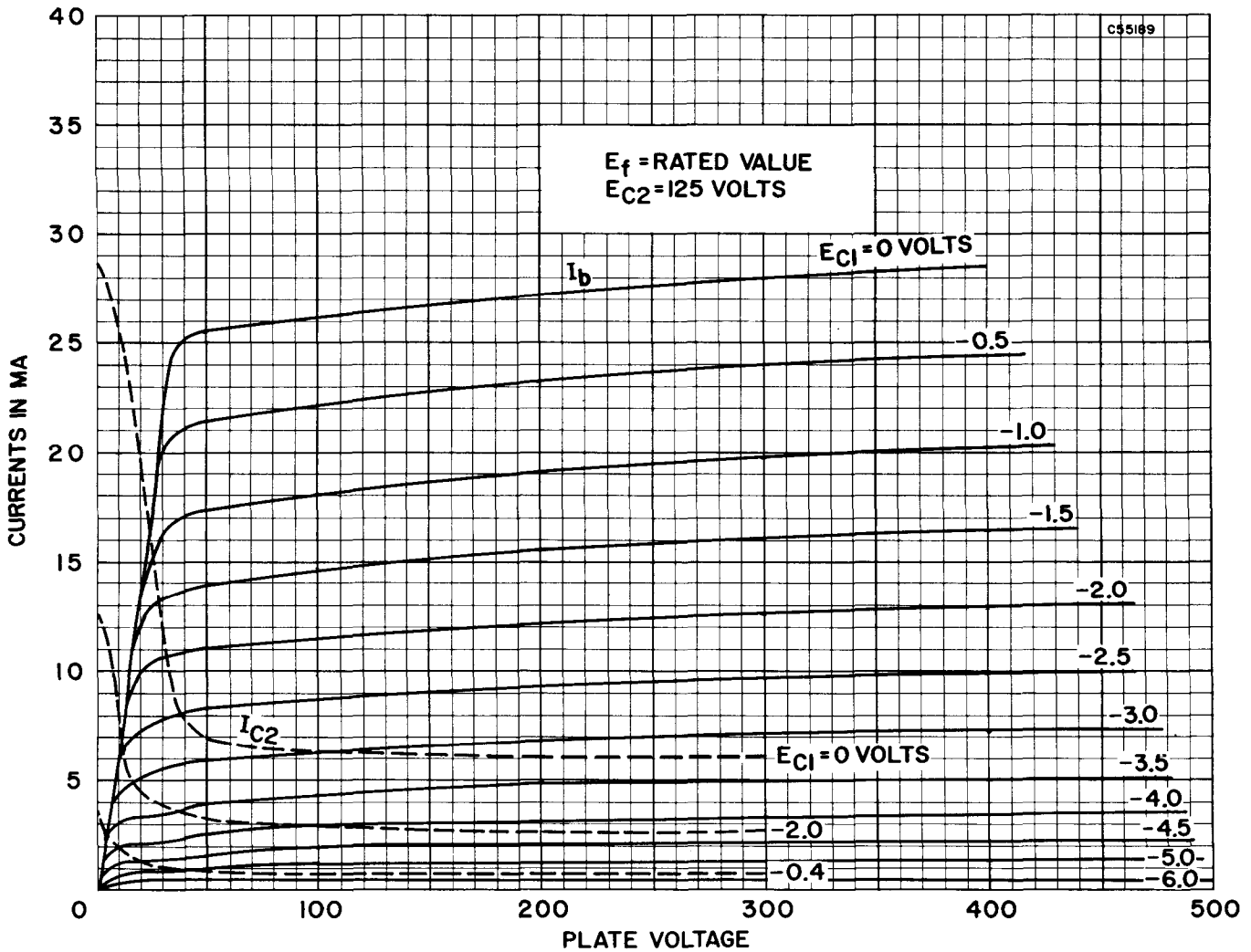
(PENTODE SECTION)



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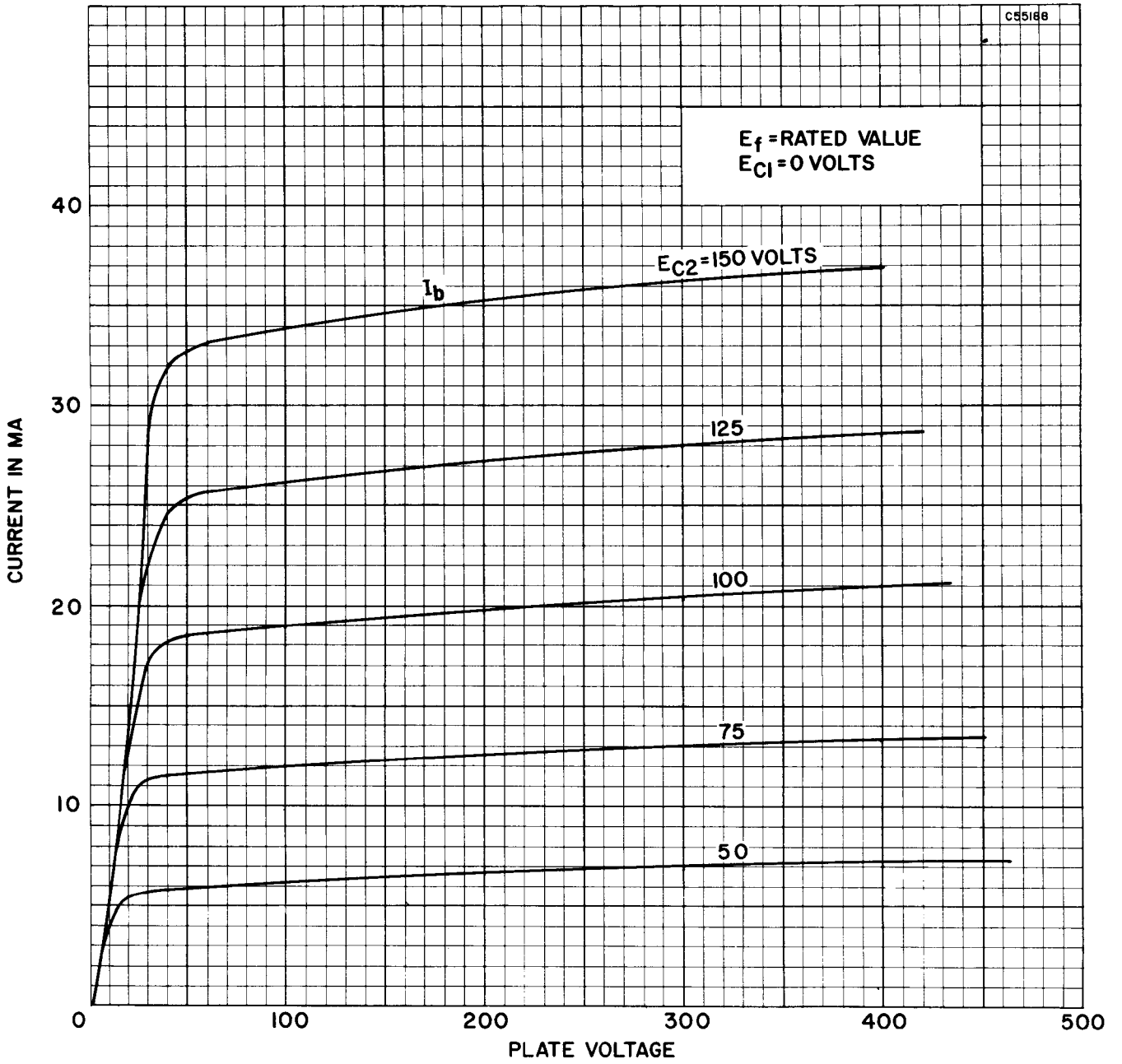
(PENTODE SECTION)



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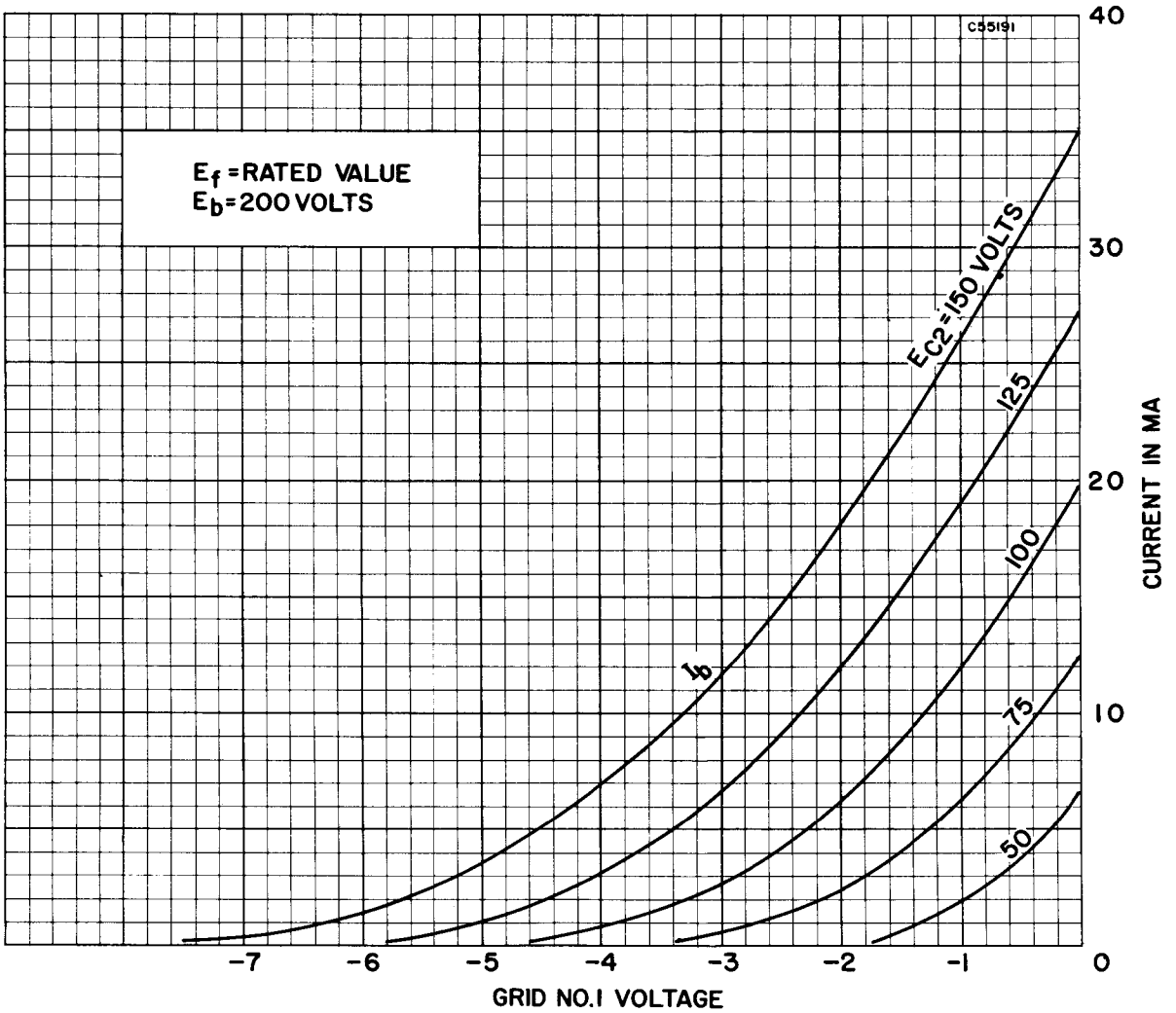
(PENTODE SECTION)



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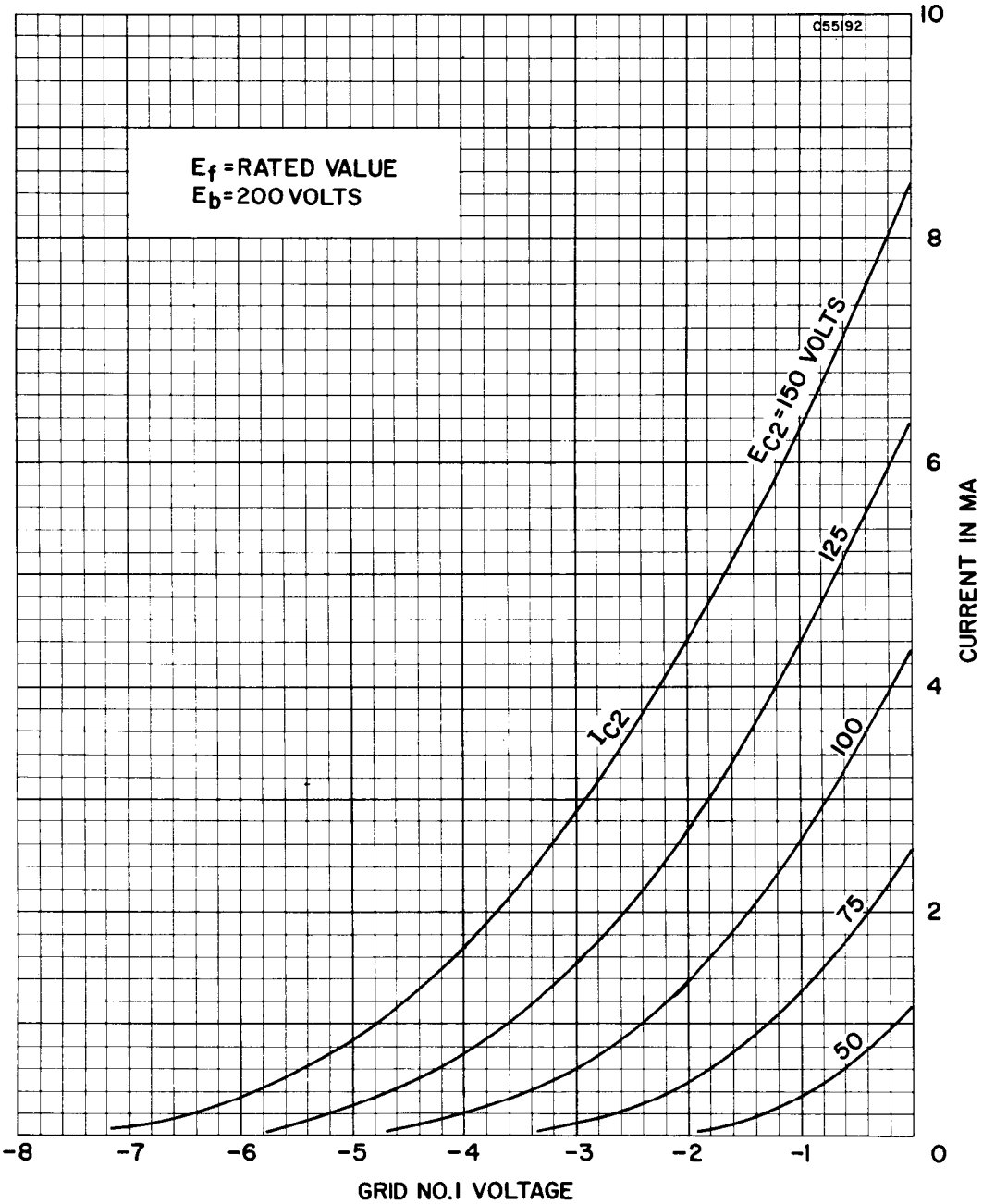
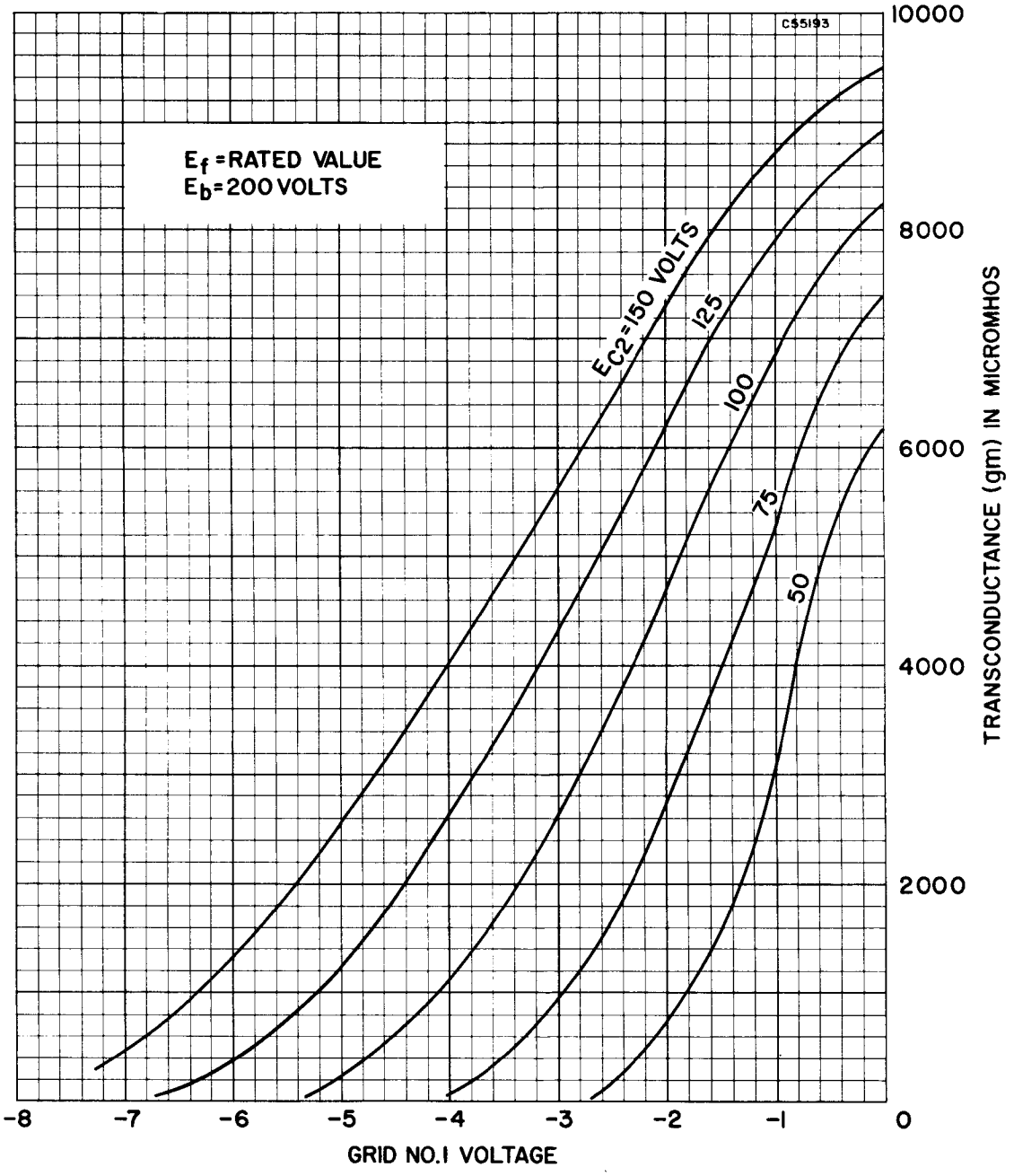
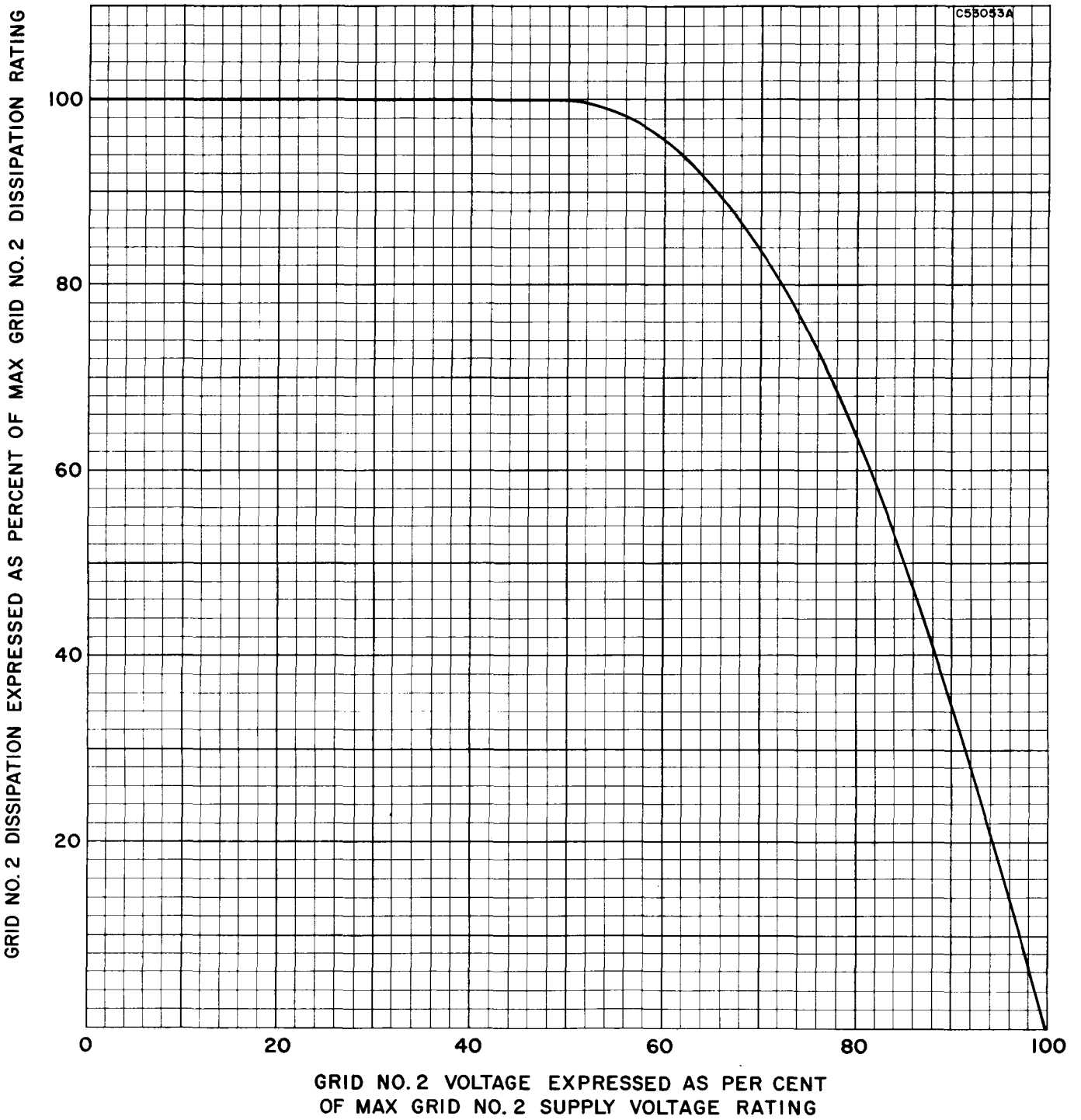
(PENTODE SECTION)



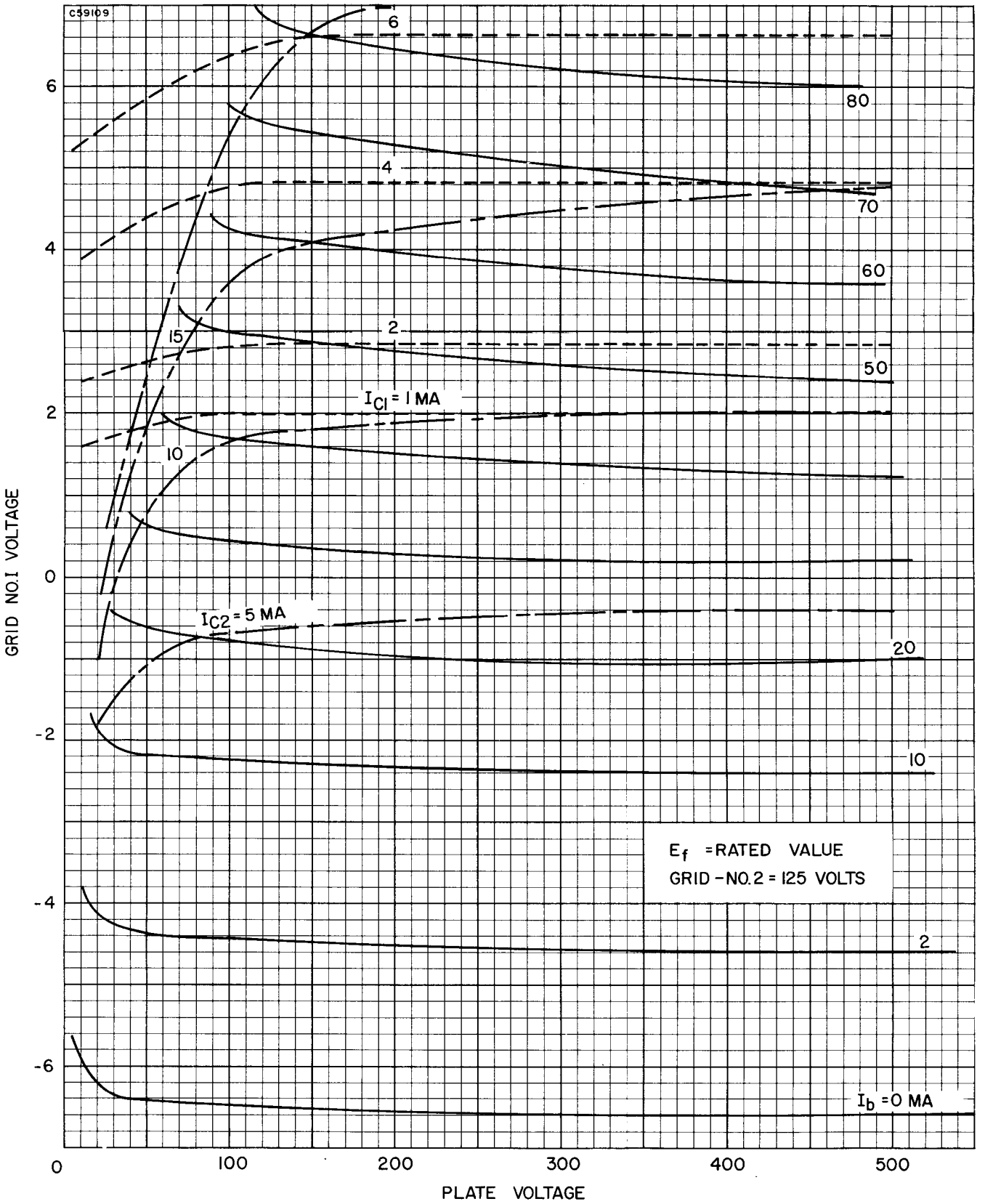
AVERAGE TRANSFER CHARACTERISTICS
(PENTODE SECTION)



GRID NO. 2 RATING CHART



AVERAGE CONSTANT CURRENT CHARACTERISTICS



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