

MECHANICAL DATA

Bulb	T-51 $\frac{1}{2}$
Base	E7-1, Miniature Button 7-Pin
Outline	5-2
Basing	7CM
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Range	12-15 Volts
Heater Current at $E_f = 13.5$ volts	150 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

	(Shielded) ¹	(Unshielded)	
Grid No. 1 to Plate	.01	.02 $\mu\mu f$	Max.
Input: g1 to (h+k+g2+g3+I.S.)	6.5	6.5 $\mu\mu f$	
Output: p to (h+k+g2+g3+I.S.)	3.0	2.0 $\mu\mu f$	

RATINGS (Absolute Maximum Values)

Plate Voltage	330 Volts	Max.
Grid No. 2 Supply Voltage	330 Volts	Max.
Grid No. 2 Voltage	See Rating Chart	
Plate Dissipation	2.0 Watts	Max.
Grid No. 2 Input:		
For Grid No. 2 Voltages up to 165 Volts	0.5 Watt	Max.
For Grid No. 2 Voltages between 165-330 Volts	See Rating Chart	

CHARACTERISTICS

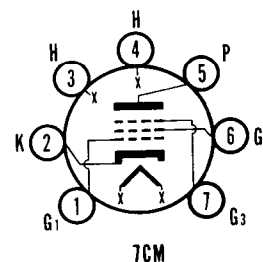
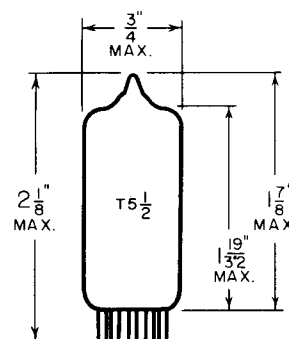
Class A1 Amplifier

Plate Voltage	200 Volts
Grid No. 3 Voltage	Connected to Cathode
Grid No. 2 Voltage	150 Volts
Cathode Bias Resistor	180 Ohms
Plate Current	9.5 Ma
Grid No. 2 Current	2.8 Ma
Transconductance	6200 μmhos
Plate Resistance (Approx.)	0.6 Megohm
E_{c1} for $I_b = 100 \mu\text{a}$ (Approx.)	-7 Volts

QUICK REFERENCE DATA

The Sylvania Type 7056 is a miniature, high transconductance, sharp-cutoff pentode intended for use in mobile communications equipment. Featuring a 13.5 volt heater, the 7056 is designed for dependable operation over the wide range of heater voltages encountered in this service.

Except for heater characteristics, the Type 7056 is similar to the 6CB6.



**SYLVANIA
ELECTRONIC TUBES**

A Division of
Sylvania Electric Products Inc.

**RECEIVING TUBE
OPERATIONS
EMPORIUM, PA.**

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File Under
RECEIVING TUBES

SPECIAL TESTS

Heater Cycling Life Test

$E_f = 17.0 \text{ V}$; 1 min. on, 4 min. off;

$E_{hk} = -150 \text{ Vdc}$ 2000 Cycles Min.

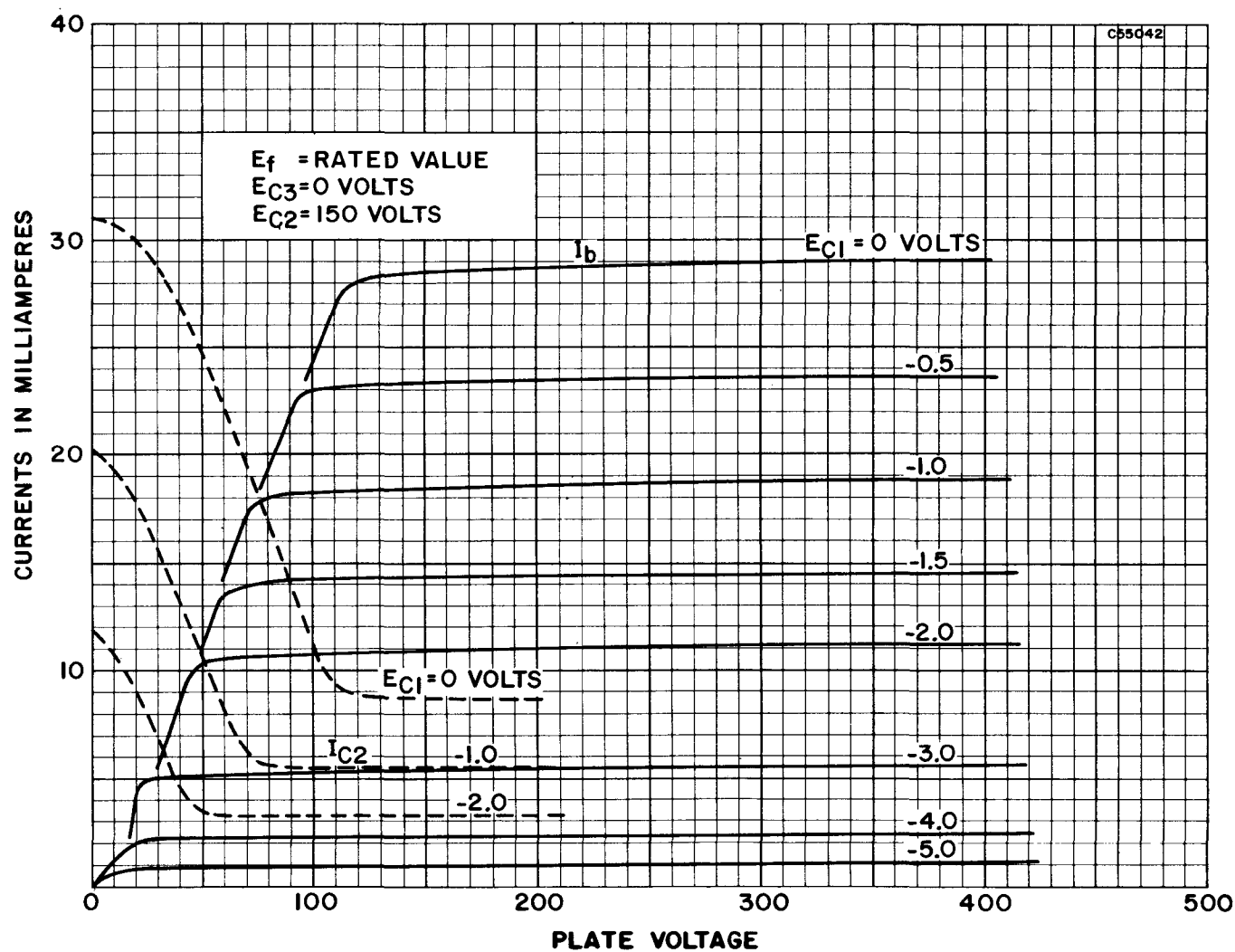
Low-Frequency Vibration: E_p

$G = 2.5 @ 25 \text{ cps}$ 250 mVac Max.

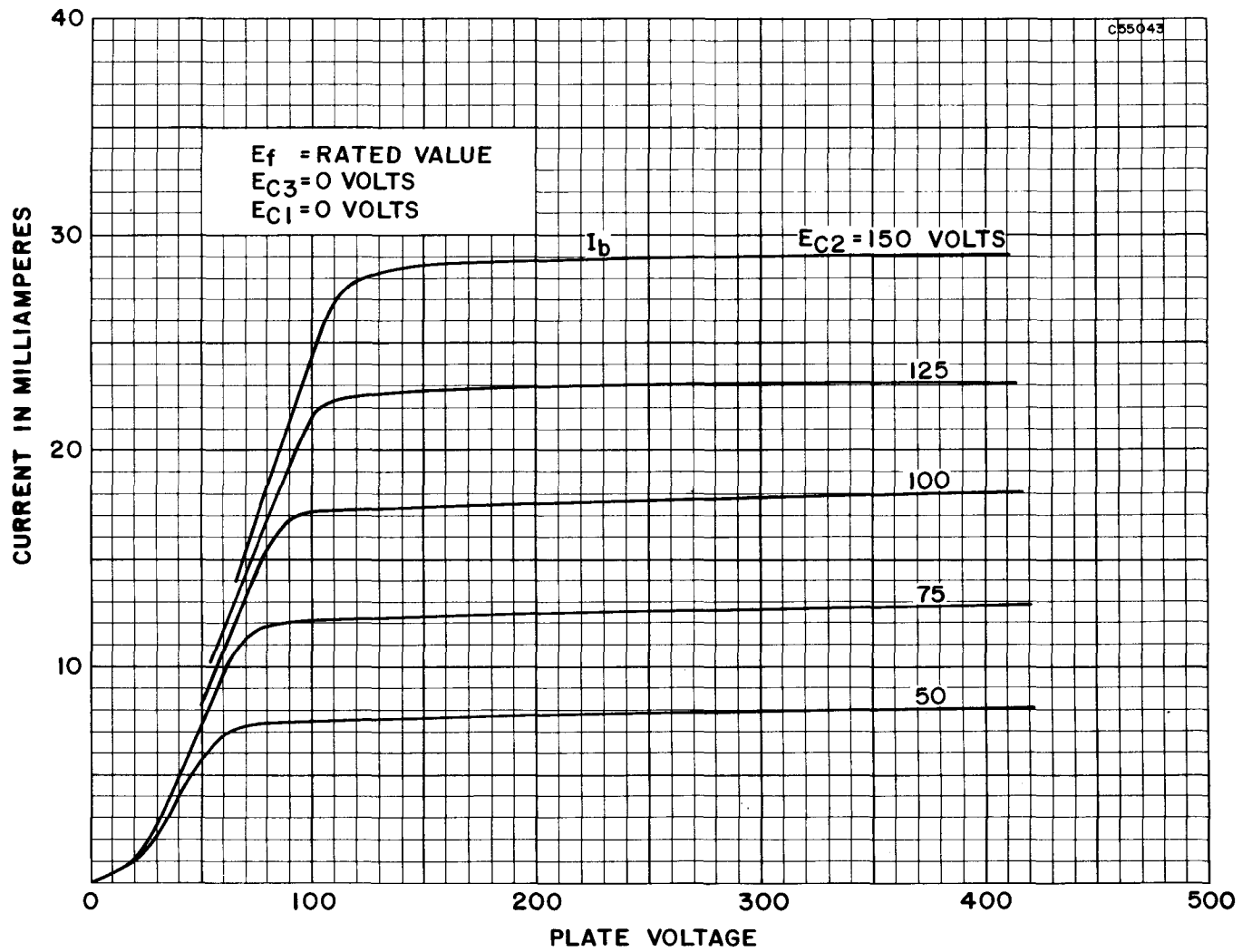
NOTE:

1. *Shield No. 315 tied to cathode.*

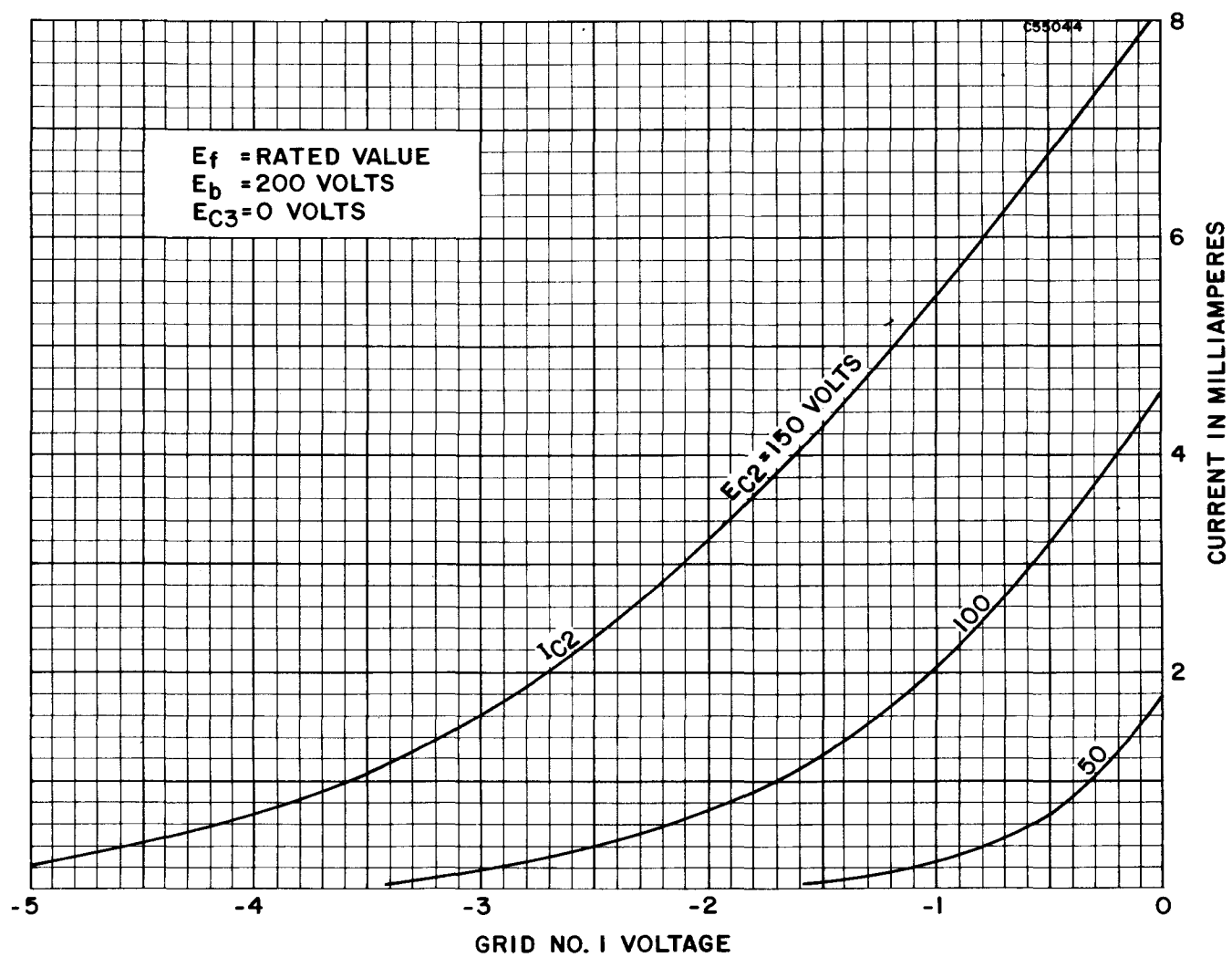
AVERAGE PLATE CHARACTERISTICS



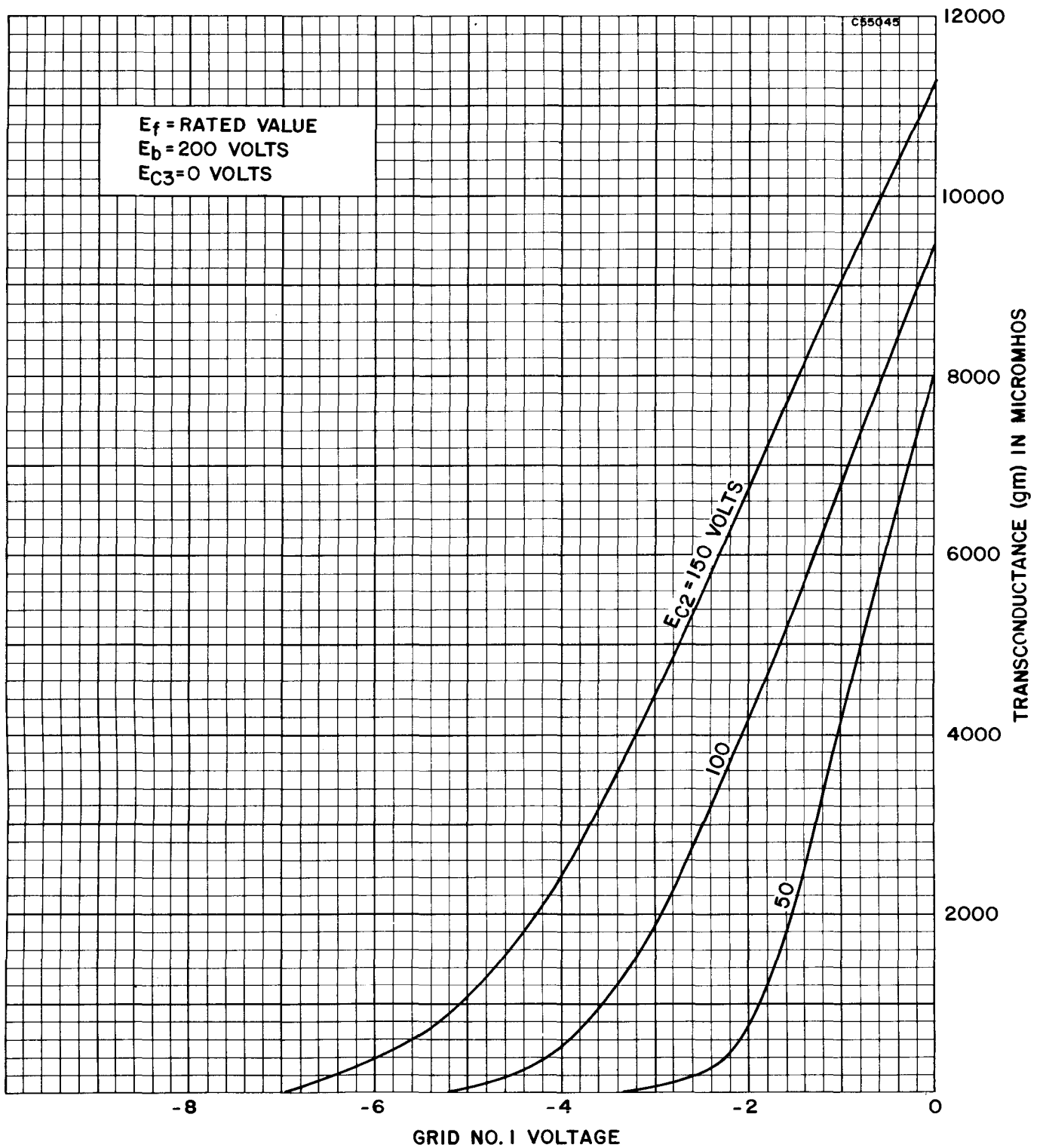
AVERAGE PLATE CHARACTERISTICS



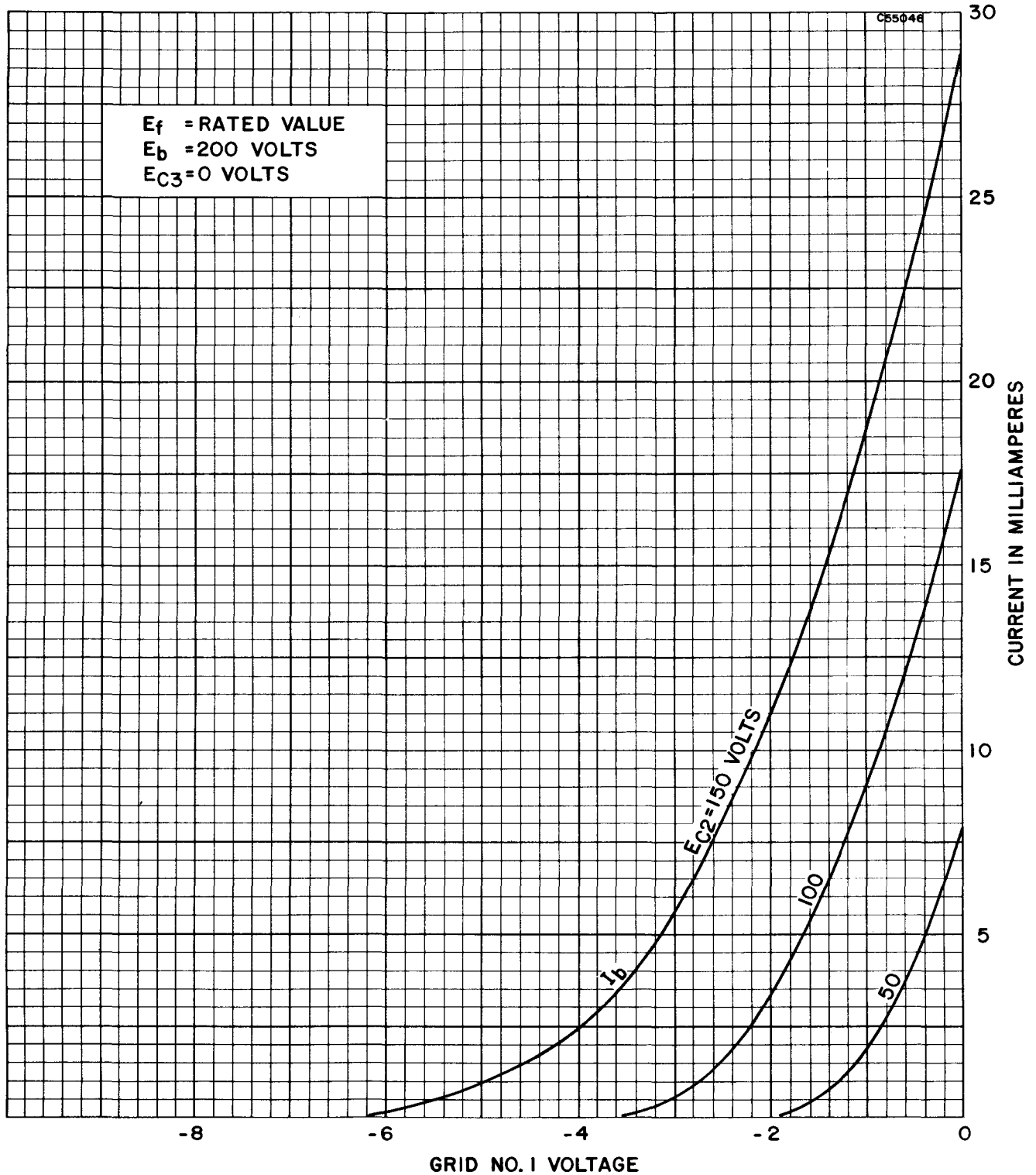
AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



RATING CHART

