

MECHANICAL DATA

Bulb	T-5½
Base	E7-1, Miniature Button 7-Pin
Outline	5-1
Basing	7BD
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	300 Ma
Heater-Cathode Voltage (Design Center Values)	
Heater Negative with Respect to Cathode	
Total DC and Peak	90 Volts Max.
Heater Positive with Respect to Cathode	
Total DC and Peak	90 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES

	Shielded ¹	Unshielded
Grid to Plate (g1 to p)	0.020	0.030 $\mu\mu\text{f}$ Max.
Input: g1 to (h+k+g2+g3 & i.s.)	4.0	4.0 $\mu\mu\text{f}$
Output: p to (h+k+g2+g3 & i.s.)	2.8	2.1 $\mu\mu\text{f}$

RATINGS (Design Center Values)

Plate Voltage	180 Volts	Max.
Grid No. 2 Supply Voltage	180 Volts	Max.
Grid No. 2 Voltage	See Rating Chart	
Plate Dissipation	1.7 Watts	Max.
Grid No. 2 Dissipation	0.5 Watt	Max.
Positive DC Grid No. 1 Voltage	0 Volts	Max.
Cathode Current	18 Ma	Max.

CHARACTERISTICS AND TYPICAL OPERATION

Class A₁ Amplifier

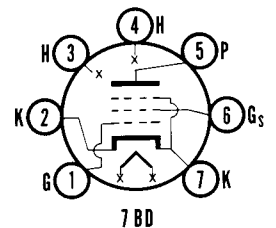
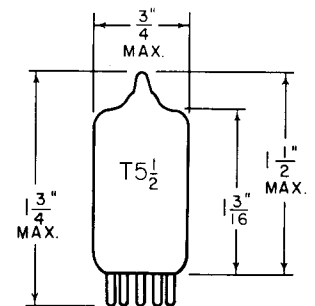
Plate Voltage	28 Volts
Grid No. 2 Voltage	28 Volts
Grid No. 1 Voltage	-1.0 Volts
Plate Current	2.7 Ma
Grid No. 2 Current	1.0 Ma
Transconductance	2500 μmhos
Plate Resistance (approx.)	0.1 Megohm
Grid No. 1 Voltage for $I_b = 10 \mu\text{a}$	-4.5 Volts

NOTE:

1. External shield No. 316 connected to Pins 2 and 7.

QUICK REFERENCE DATA

The Sylvania Type 6AJ5 is a miniature sharp cutoff pentode designed for use where only low plate and screen voltages are available. The 6AJ5 is especially suitable for operation at high frequencies.



**SYLVANIA ELECTRIC
PRODUCTS INC.**

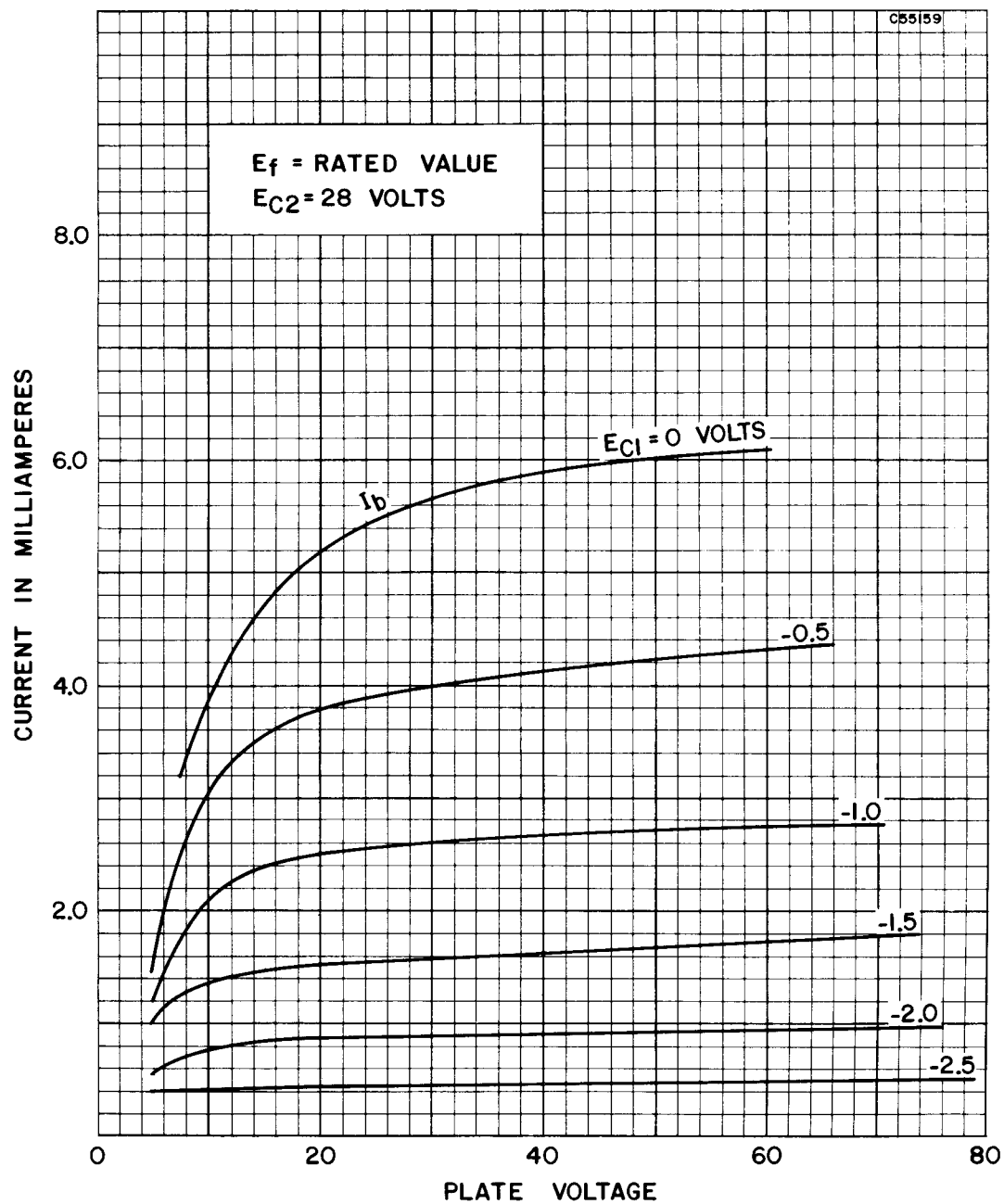
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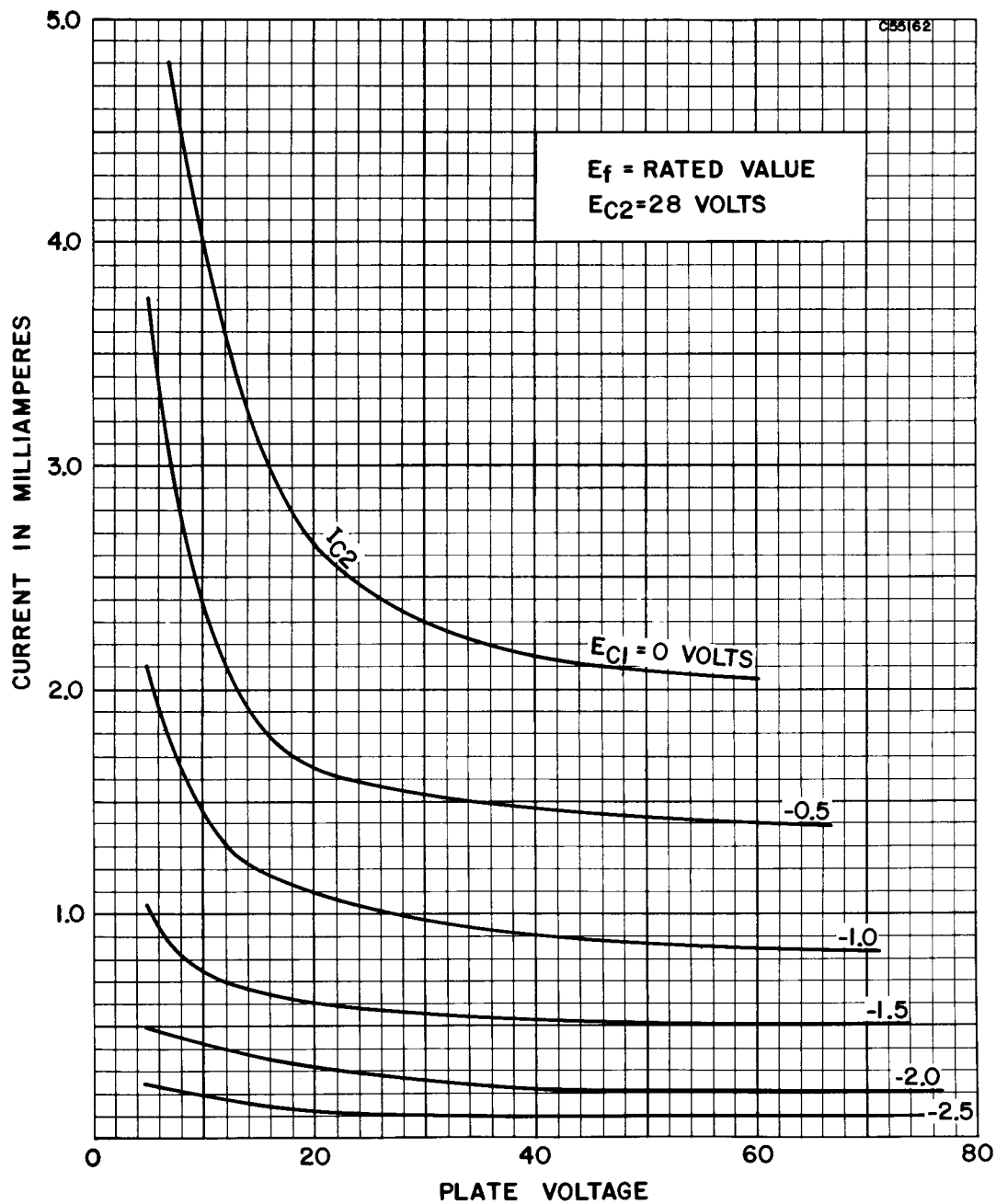
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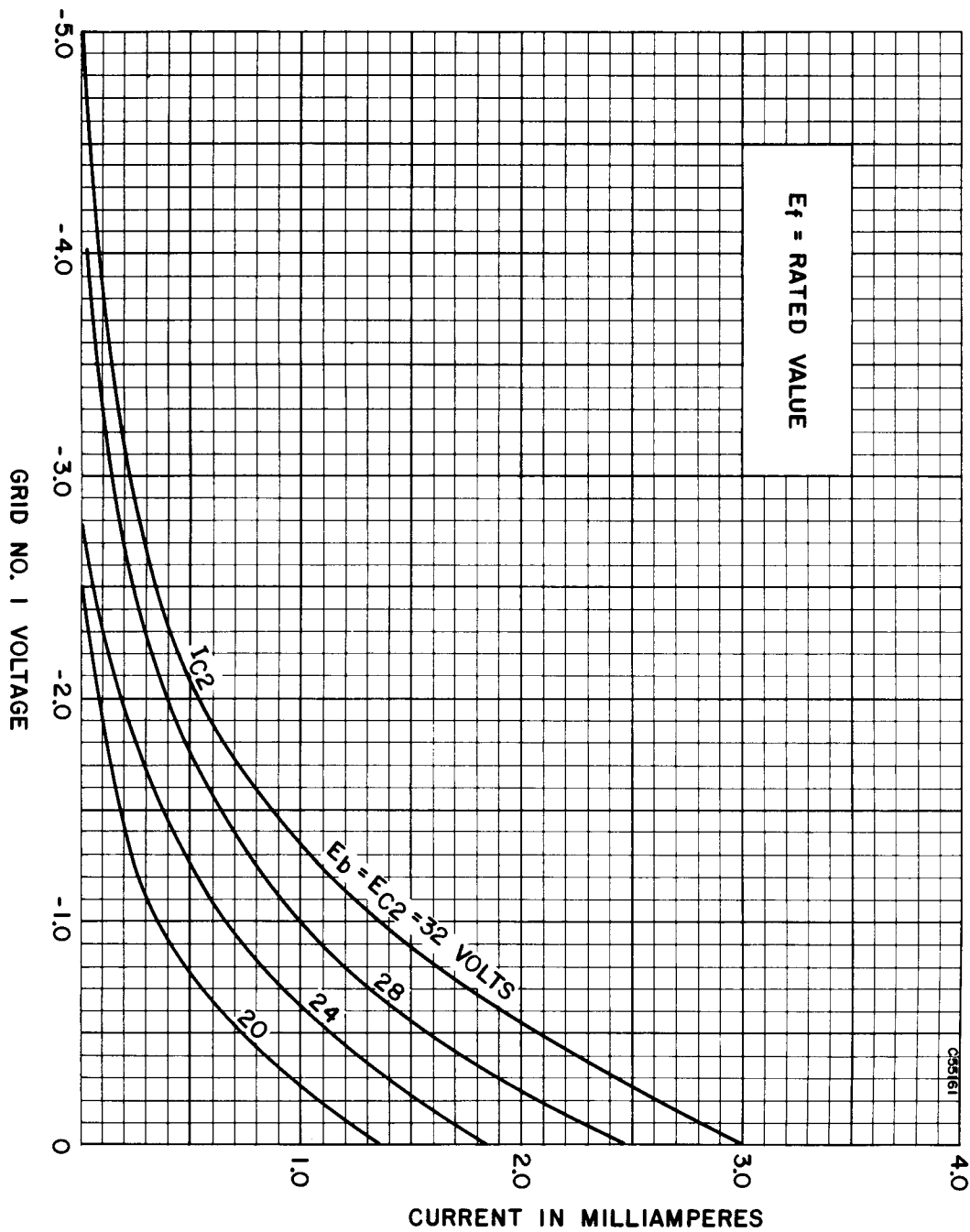
AVERAGE PLATE CHARACTERISTICS



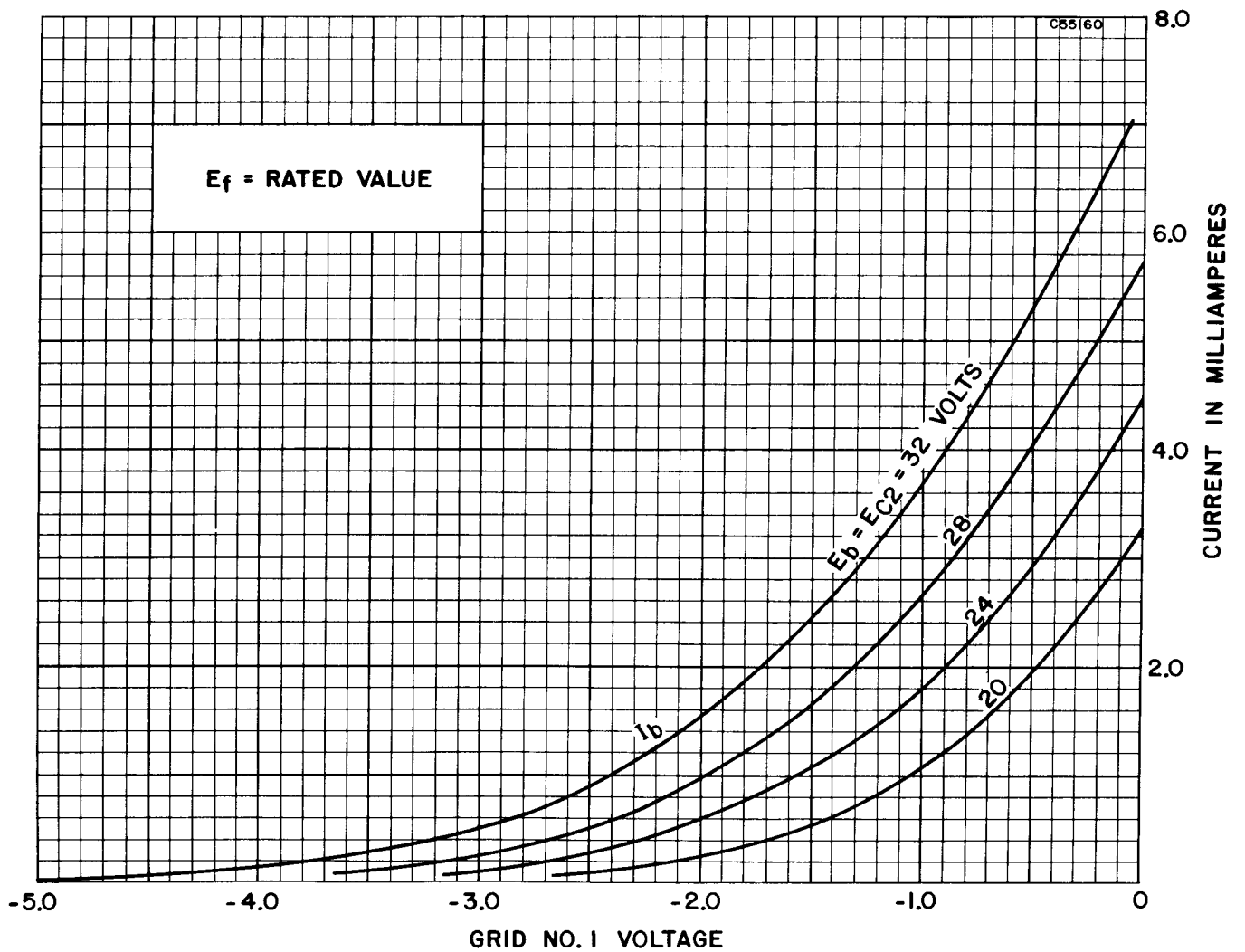
AVERAGE CHARACTERISTICS



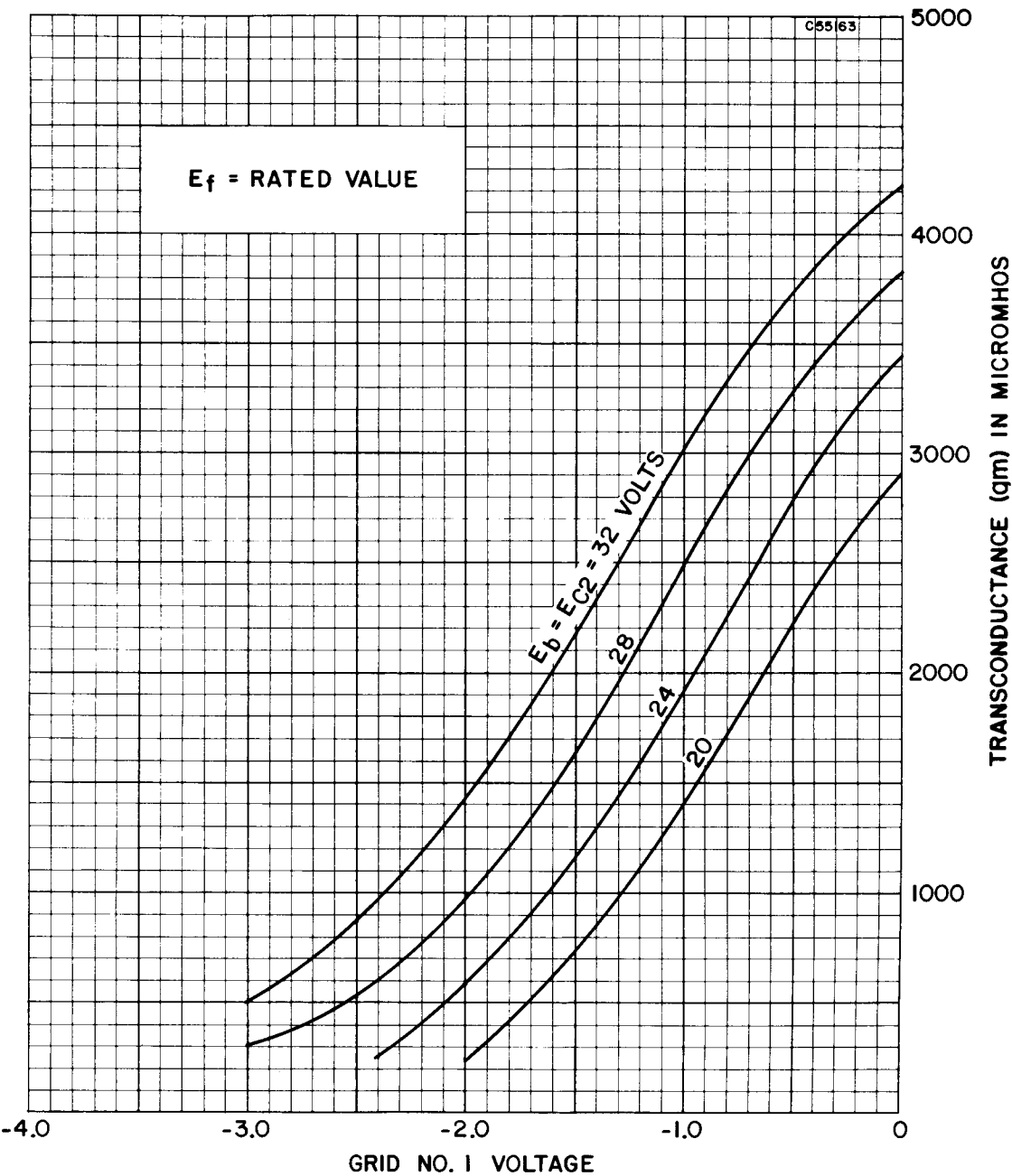
AVERAGE TRANSFER CHARACTERISTICS



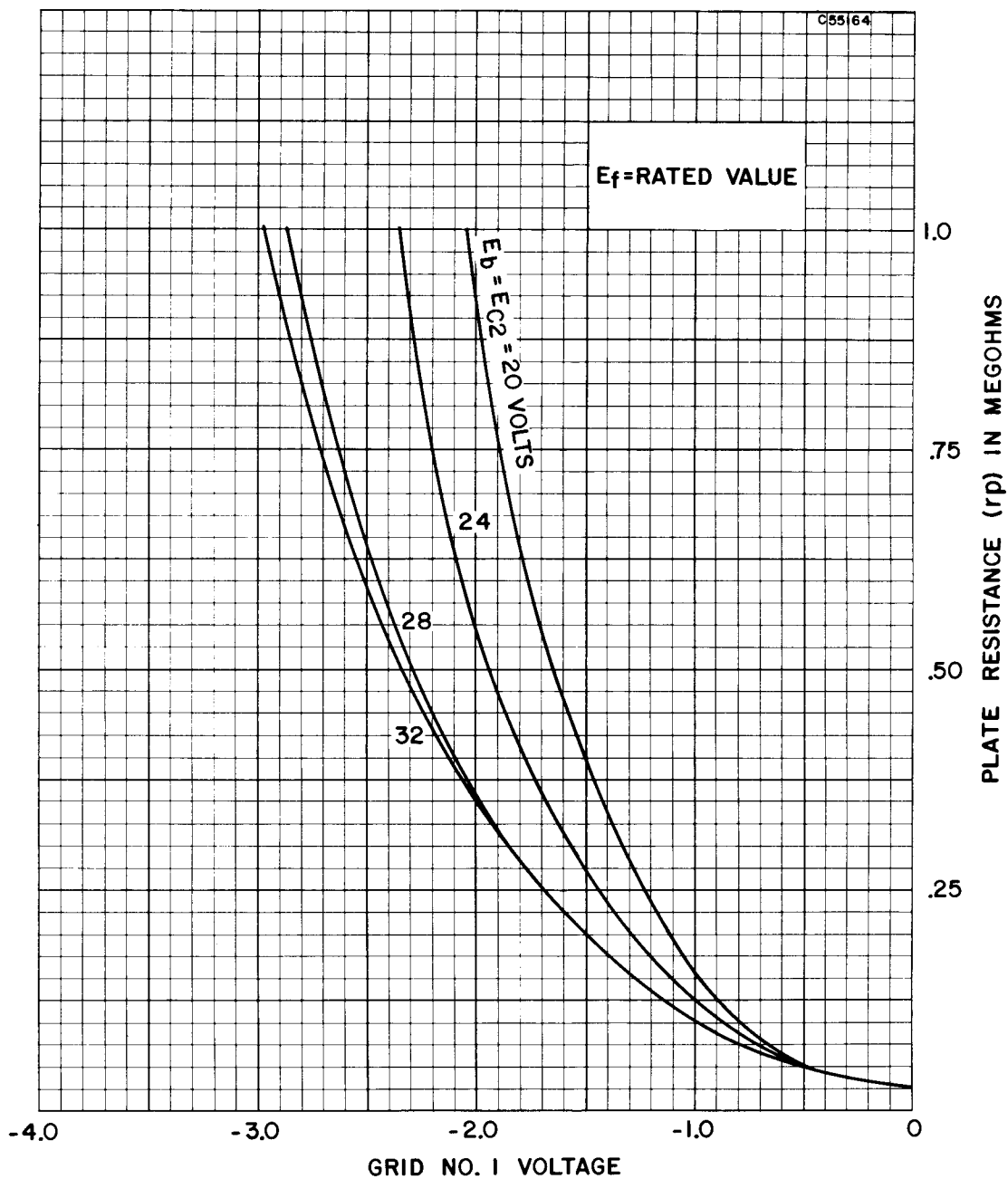
AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



RATING CHART

