SYLVANIA

engineering data service

SYLVANIA
7258

MECHANICAL DATA

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

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Range	12-15 Volts
Heater Current at EF = 13.5 Volts	210 Ma
Heater-Cathode Voltage (Design Maximum Values)	
Heater Negative with Respect to Cathode	
Total DC and Peak	200 Volts Max.
Heater Positive with Respect to Cathode	
DC	100 Volts Max.
Total DC and Peak	200 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

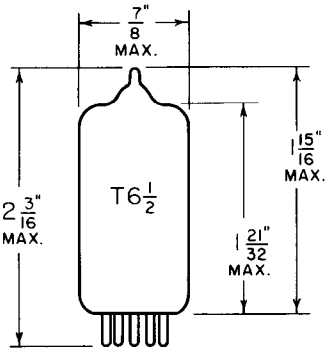
	Pentode Section	Triode Section	
Grid No. 1 to Plate	0.4 Max.	1.5	μμf
Input	7.0	2.0	μμf
Output	2.4	0.26	μμf
Coupling:			
Triode Grid to Pentode Plate	.02		μμf Max.
Pentode Grid No. 1 to Triode Plate	.02		μμf Max.
Pentode Plate to Triode Plate	0.15		μμf Max.

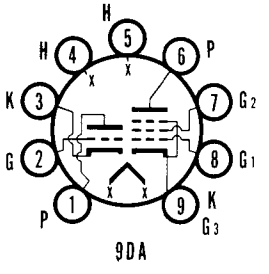
RATINGS (Design Maximum Values)[1]

	Triode Section	Pentode Section	
Plate Voltage	330	330	Volts Max.
Grid No. 2 Supply Voltage		330	Volts Max.
Grid No. 2 Voltage	See Rating Chart		
Positive Grid No. 1 Voltage	0	0	Volts Max.
Plate Dissipation	2.8	2.3	Watts Max.
Grid No. 2 Dissipation		0.55	Watts Max.
Grid No. 1 Circuit Resistance			
Fixed Bias	0.5	0.25	Meg. Max.
Cathode Bias	1.0	1.0	Meg. Max.

QUICK REFERENCE DATA

The Sylvania Type 7258 has a sharp cutoff pentode and medium mu triode contained in a miniature envelope. It is designed to operate over the wide range of heater voltages normally encountered in mobile applications. The pentode section may be used as an RF, IF or reactance tube. The triode section may be used as a low frequency oscillator or general purpose amplifier. Type 7258 is similar to Type 6AN8.





9DA

SYLVANIA ELECTRONIC TUBES
A Division of
SYLVANIA ELECTRIC PRODUCTS, Inc.
RECEIVING TUBE
OPERATIONS
EMPORIUM, PENNSYLVANIA

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DECEMBER 1958

CHARACTERISTICS AND TYPICAL OPERATION

NOTES:

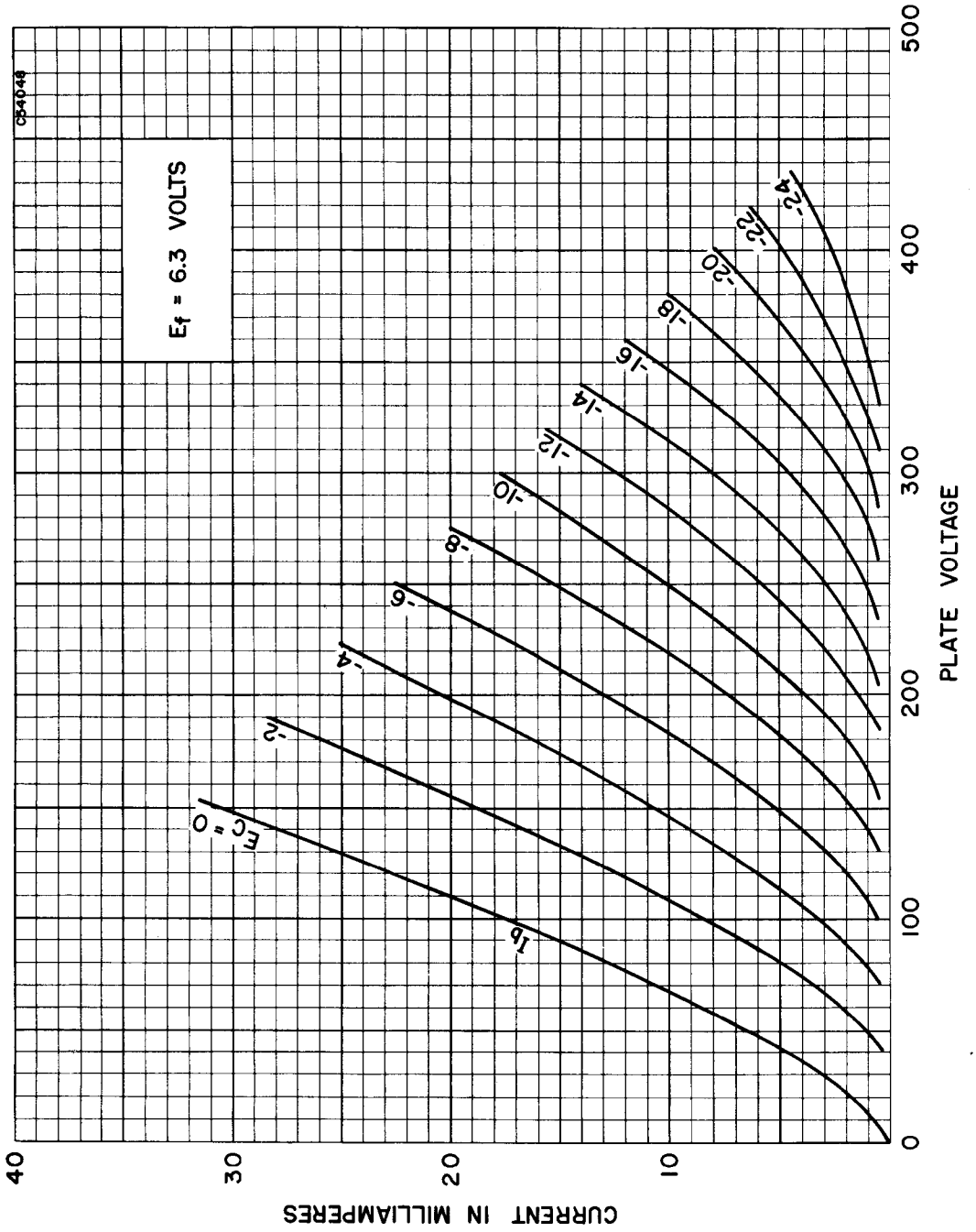
	Triode Section	Pentode Section
Plate Voltage	150	125 Volts
Grid No. 2 Voltage		125 Volts
Grid No. 1 Voltage	−3	Volts
Cathode Bias Resistor		56 Ohms
Plate Current	15	12 Ma
Grid No. 2 Current		3.8 Ma
Transconductance	4500	7800 μmhos
Amplification Factor	21	
Plate Resistance (Approx.)	4700	170,000 Ohms
Grid No. 1 Voltage for Ib = 20 μa (approx.)	−17	−6 Volts
Plate Current at Ec1 = −3 Vdc, RK = 0		1.6 Ma

1. *Design-Maximum Ratings are limiting values of operating and environmental conditions applicable to a bogey electron device of a specified type as defined by its published data, and should not be exceeded under the worst probable conditions.*

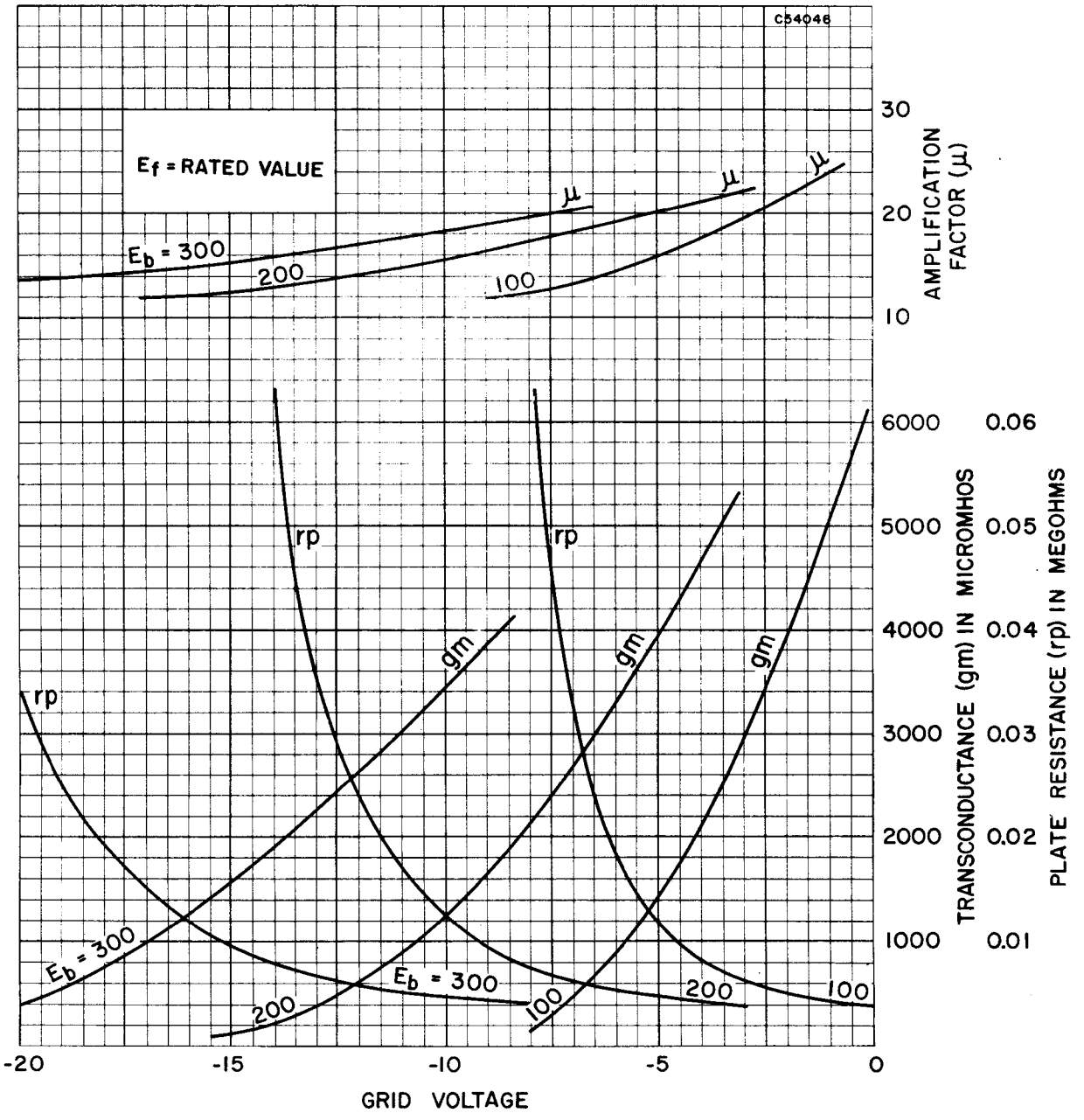
   The device manufacturer chooses these values to provide acceptable serviceability of the device, taking responsibility for the effects of changes in operating conditions due to variations in device characteristics.

   The equipment manufacturer should design so that initially and throughout life no design-maximum value for the intended service is exceeded with a bogey device under the worst probable operating conditions with respect to supply-voltage variation, equipment component variation, equipment control adjustment, load variation, signal variation, and environmental conditions.

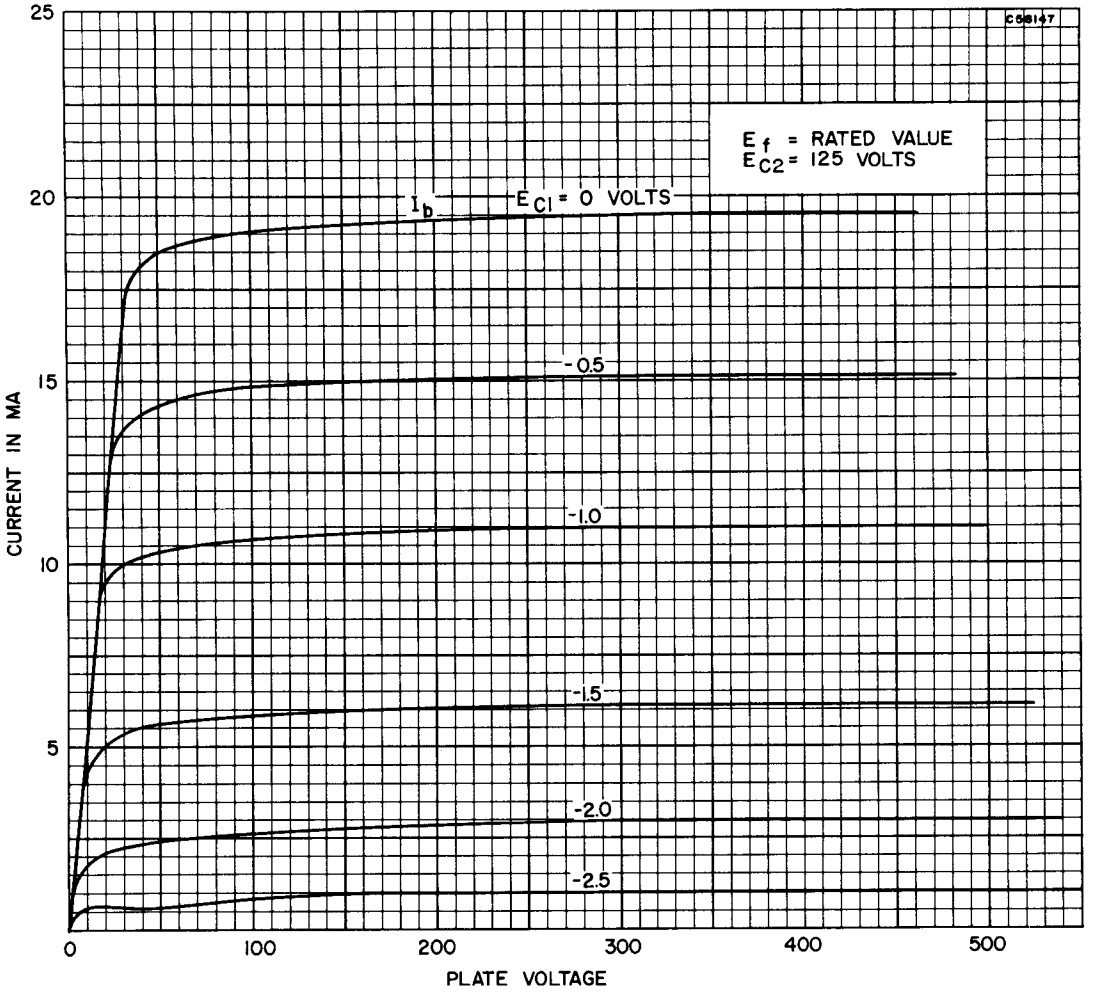
AVERAGE PLATE CHARACTERISTICS
(TRIODE SECTION)



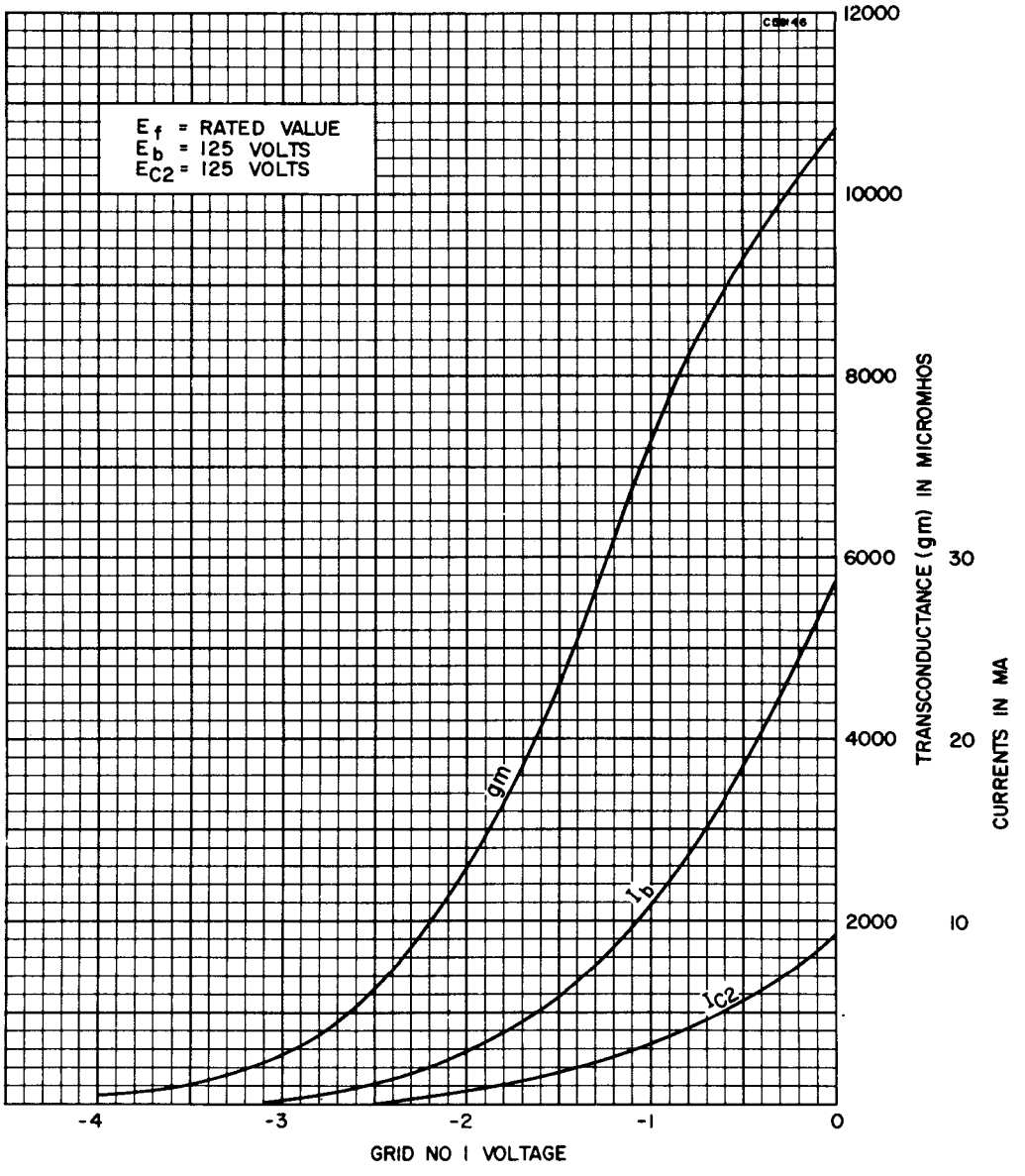
AVERAGE TRANSFER CHARACTERISTICS
(TRIODE SECTION)



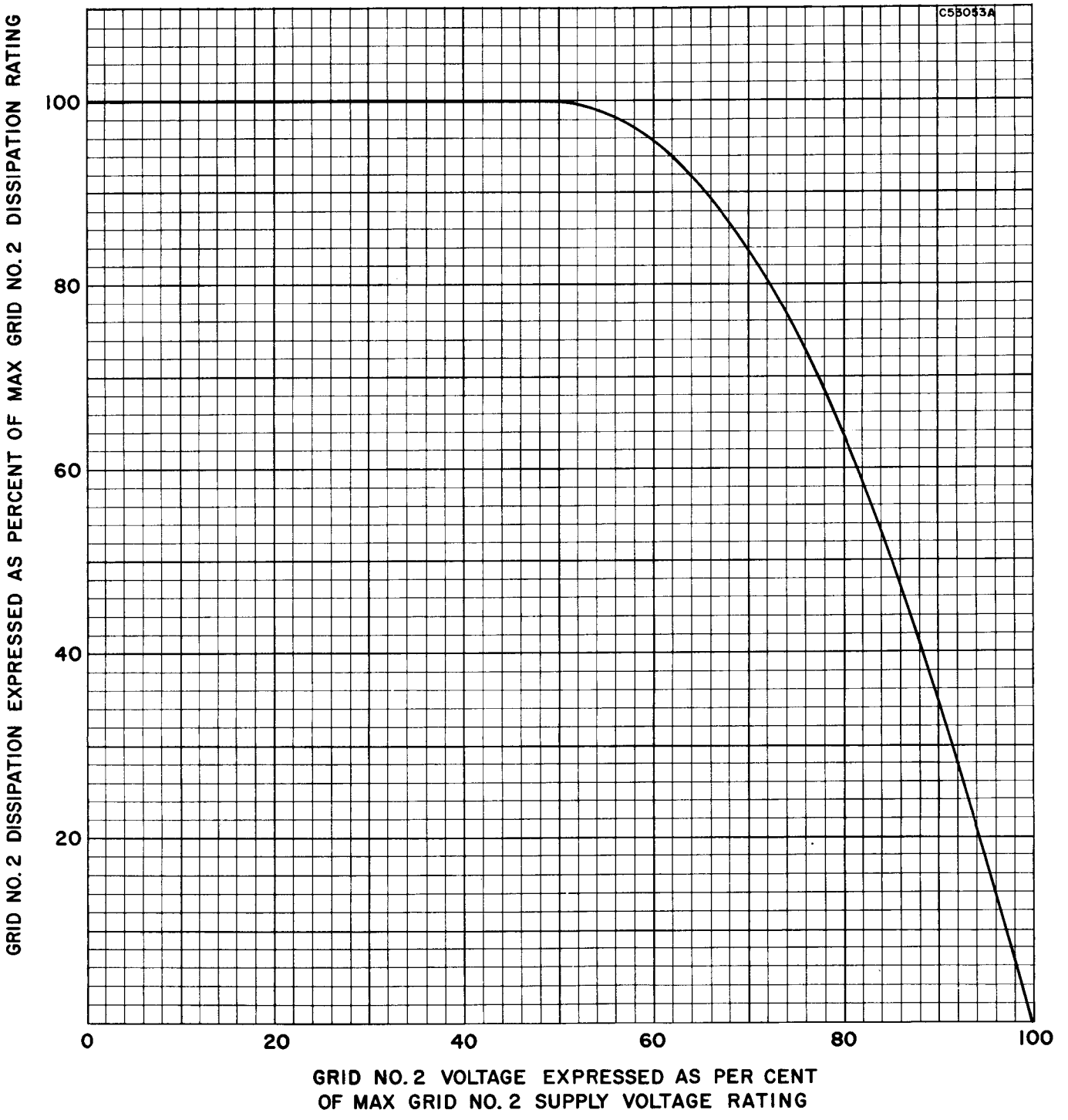
AVERAGE PLATE CHARACTERISTICS
(PENTODE SECTION)



AVERAGE TRANSFER CHARACTERISTICS
(PENTODE SECTION)



RATING CHART



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