SYLVANIA

engineering data service

SYLVANIA
6CR6
12CR6

MECHANICAL DATA

Bulb	T-5 ½
Base	E7-1, Miniature Button 7-Pin
Outline	5-2
Basing	7EA
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

	6CR6	12CR6	
Heater Voltage	6.3	12.6 Volts	
Heater Current	300	150 Ma	
Heater-Cathode Voltage (Design Center Values)			
Heater Negative with Respect to Cathode Total DC and Peak	100	100 Volts	Max.
Heater Positive with Respect to Cathode Total DC and Peak	100	100 Volts	Max.

RATINGS (Design Center Values)

Plate Voltage	300 Volts	Max.
Plate Dissipation	2.5 Watts	Max.
Grid No. 2 Supply Voltage	300 Volts	Max.
Grid No. 2 Voltage	See Rating Chart	
Grid No. 2 Dissipation	0.3 Watt	Max.
Positive DC Grid No. 1 Voltage	0 Volts	Max.
Grid No. 1 Circuit Resistance	1.0 Megohm	Max.

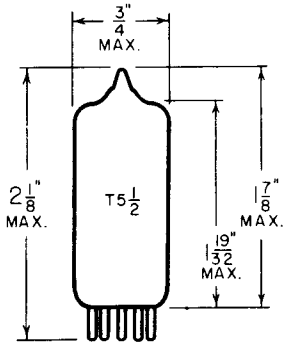
CHARACTERISTICS AND TYPICAL OPERATION

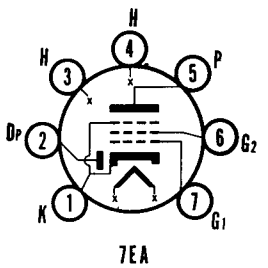
Class A_1 Amplifier

Plate Voltage	250 Volts
Grid No. 2 Voltage	100 Volts
Grid No. 1 Voltage	−2 Volts
Plate Current	9.6 Ma
Grid No. 2 Current	2.6 Ma
Transconductance	2200 μmhos
Plate Resistance (Approx.)	0.8 Megohm
Grid No. 1 Voltage for Gm=10 μmhos (Approx.)	−32 Volts
Average Diode Current with 10 Volts DC Applied	2 Ma

QUICK REFERENCE DATA

The Sylvania Types 6CR6 and 12CR6 have a diode detector and remote cutoff pentode contained in one envelope. The pentode section is intended for use as an audio amplifier in which AVC voltage is applied to the No. 1 Grid for improved AVC operation in receivers.





7EA

SYLVANIA ELECTRIC PRODUCTS INC.

RADIO TUBE DIVISION
EMPORIUM, PA.

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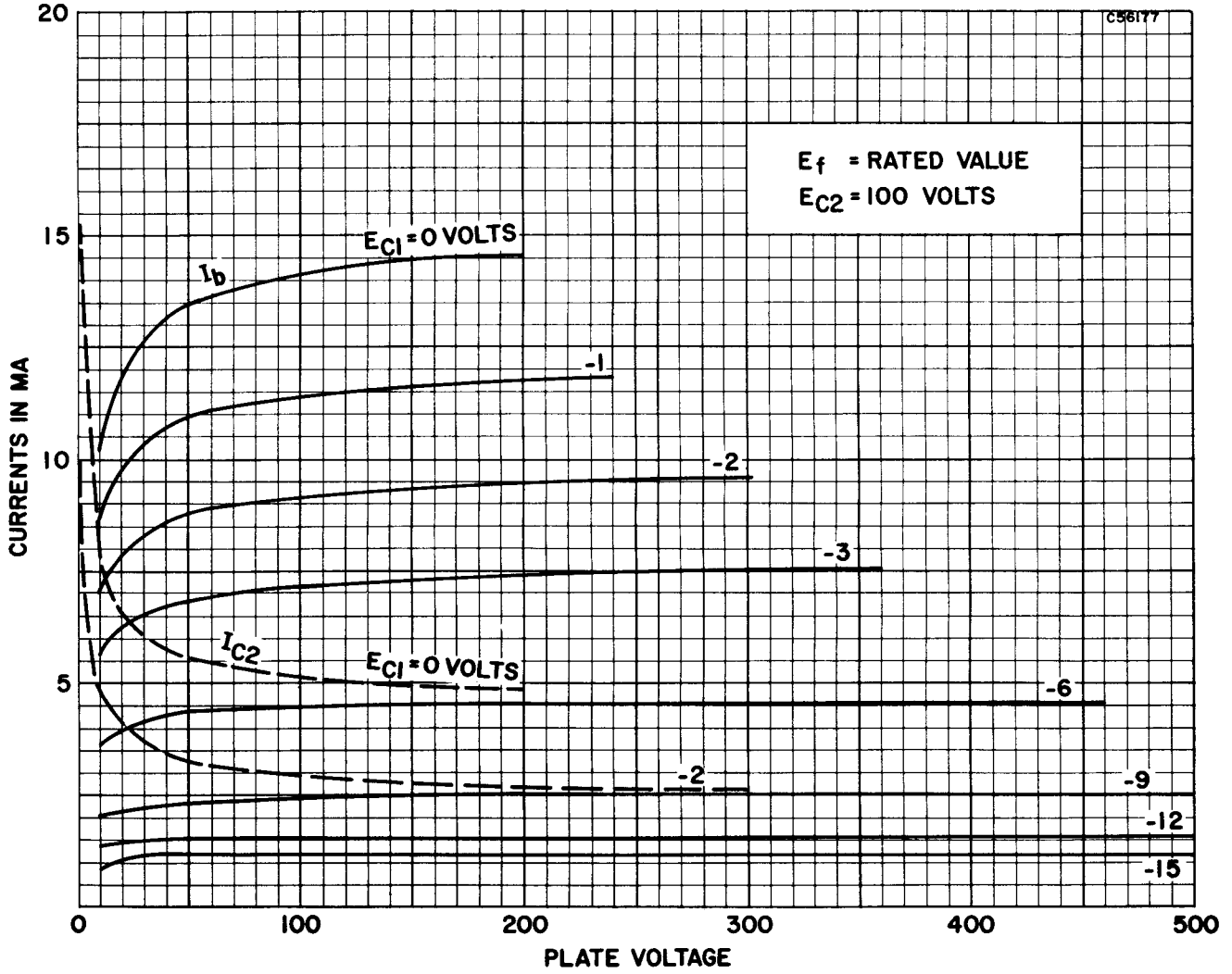
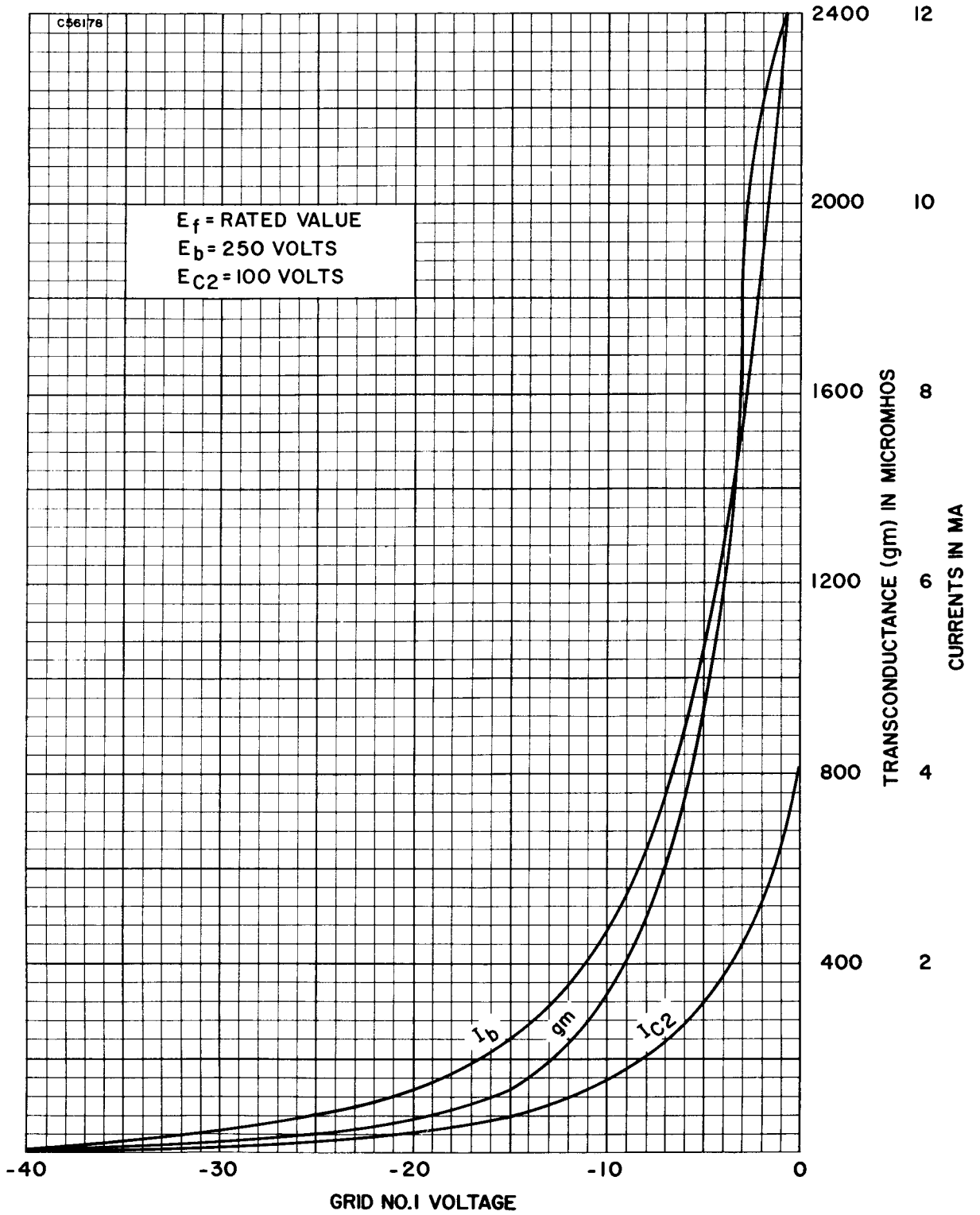
AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



RATING CHART