

### MECHANICAL DATA

Bulb . . . . .	T-5 1/2
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.

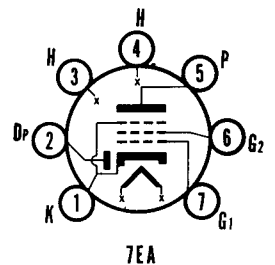
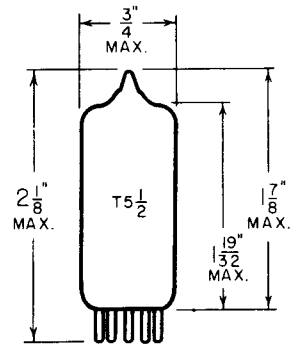
#### CHARACTERISTICS AND TYPICAL OPERATION

##### Class A<sub>1</sub> 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 G <sub>m</sub> =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.



**SYLVANIA ELECTRIC PRODUCTS INC.**

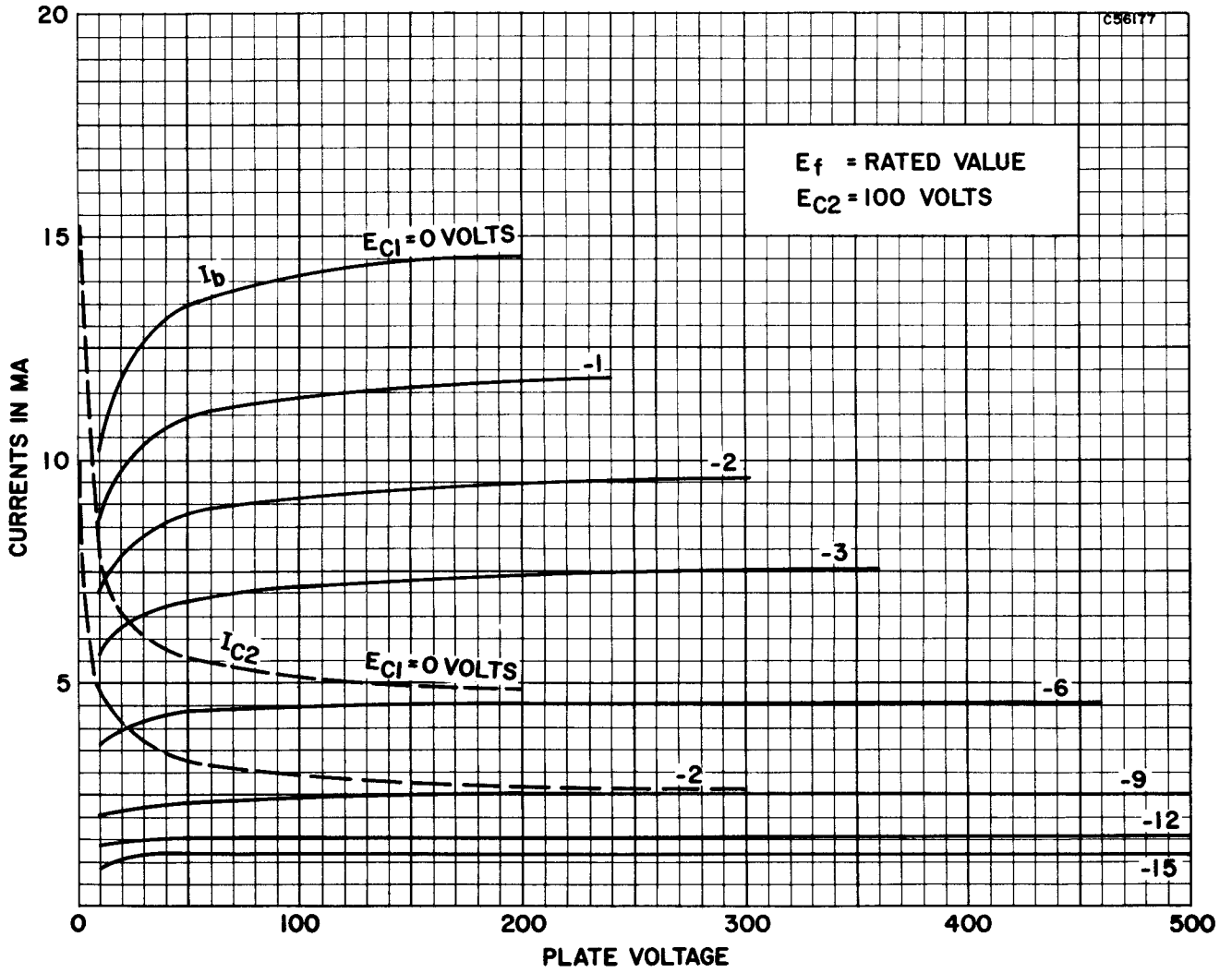
**RADIO TUBE DIVISION  
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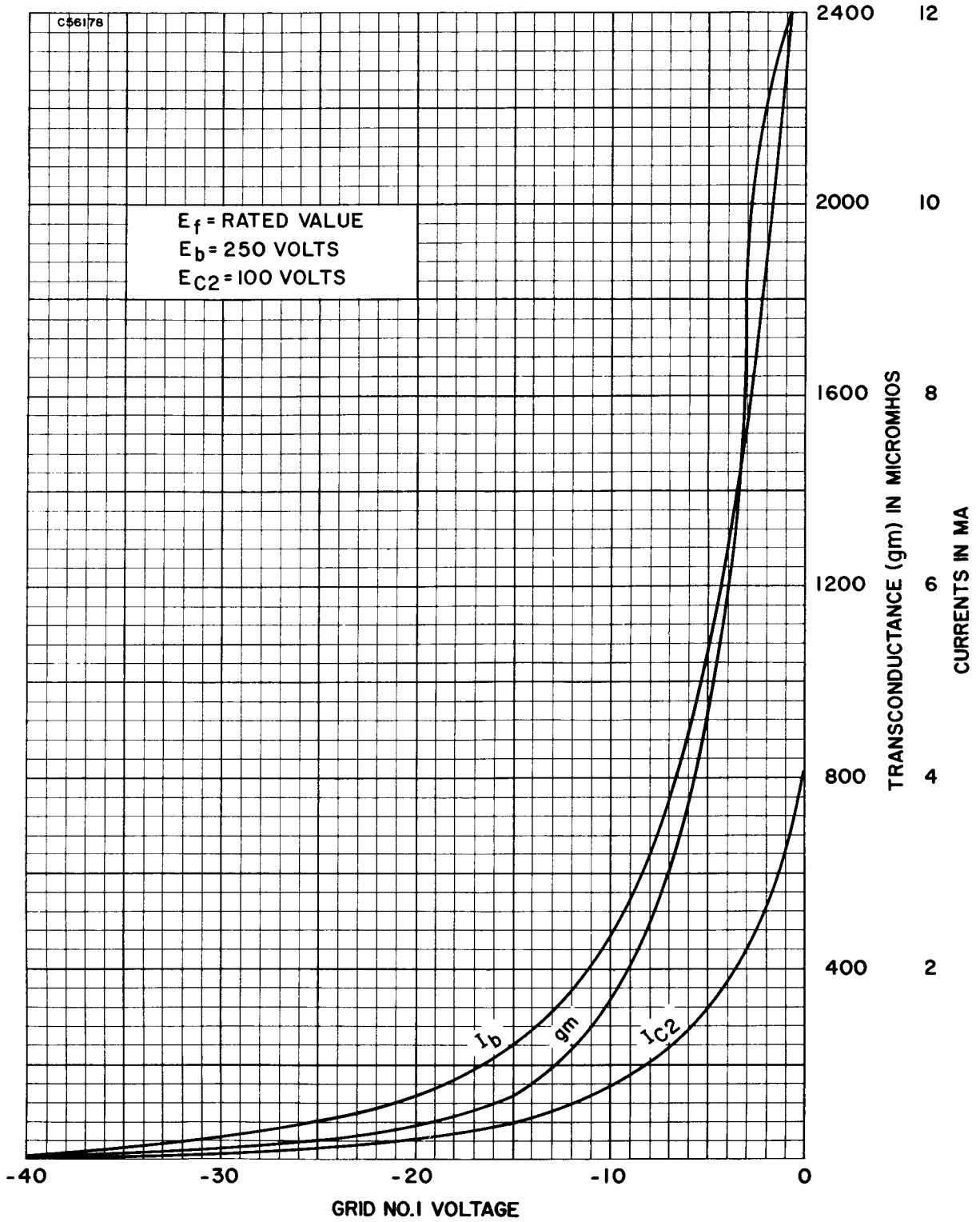
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AVERAGE PLATE CHARACTERISTICS

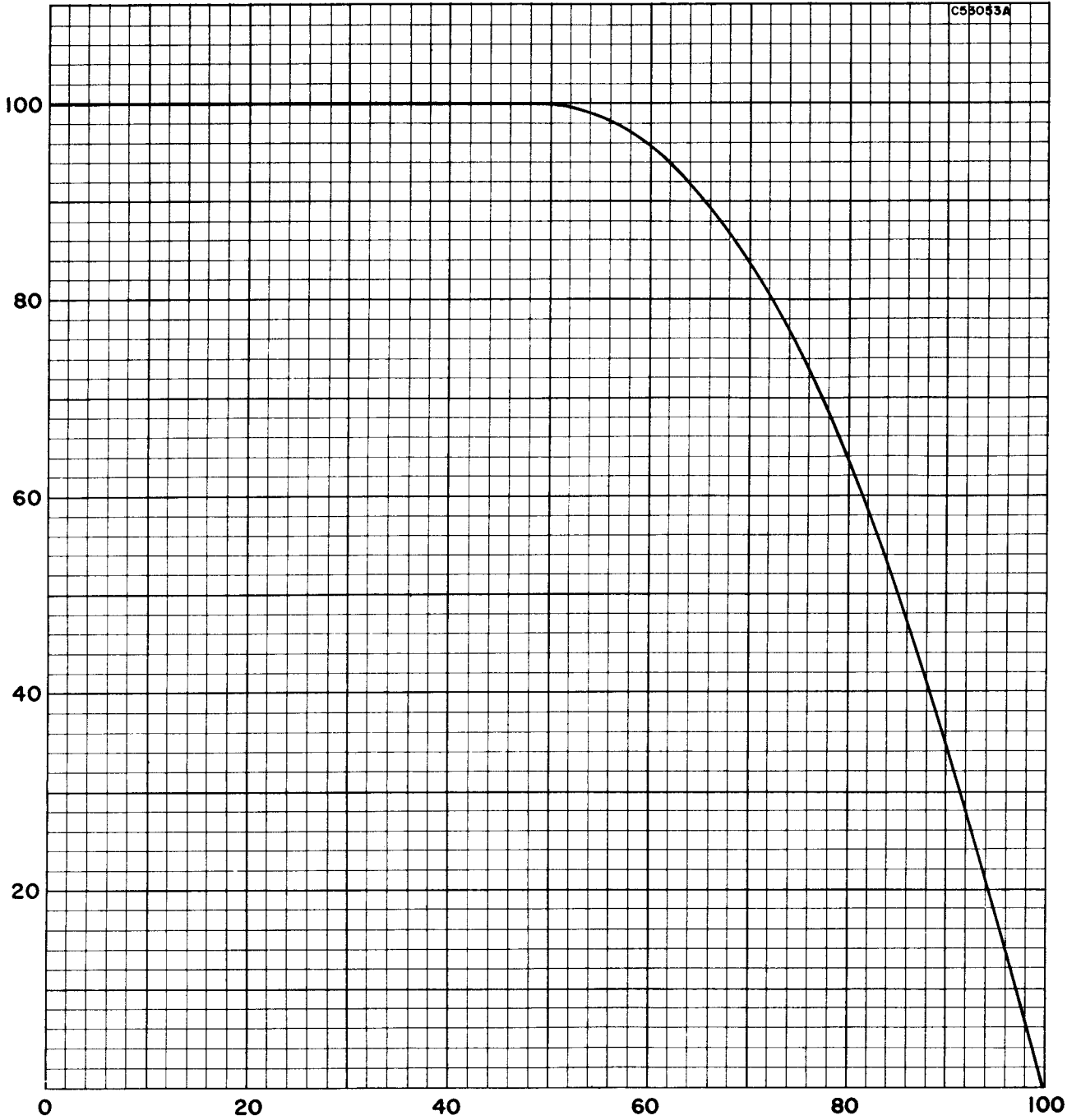


AVERAGE TRANSFER CHARACTERISTICS



RATING CHART

GRID NO. 2 DISSIPATION EXPRESSED AS PERCENT OF MAX GRID NO. 2 DISSIPATION RATING



GRID NO. 2 VOLTAGE EXPRESSED AS PER CENT  
OF MAX GRID NO. 2 SUPPLY VOLTAGE RATING