MECHANICAL DATA

Bulb	T-5½
Base	E7-1, Miniature Button, 7-Pin
Outline	5-2
Basing	7CH
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	300 Ma
Peak Heater Cathode Voltage	
Heater Positive	90 Volts Max.
Heater Negative	90 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate	0.08 μμf Max.
Grid No. 3 to Plate	0.35 μμf Max.
Grid No. 1 to Grid No. 3	0.15 μμf Max.
Grid No. 1 to All Other Electrodes and Heater	5.4 μμf
Grid No. 3 to All Other Electrodes and Heater	6.9 μμf
Plate to All Other Electrodes and Heater	7.6 μμf

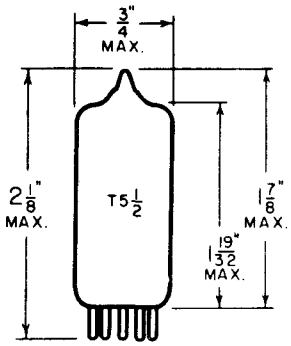
RATINGS (Absolute Values)

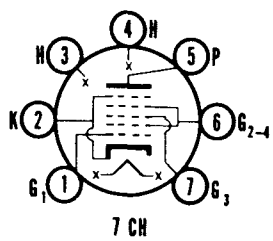
Gated Amplifier in Computer Service and "On-Off" Control Service

Plate Voltage	250 Volts Max.
Grids No. 2 and No. 4 Voltage	See Rating Chart
Grids No. 2 and No. 4 Supply Voltage	250 Volts Max.
Grid No. 3 Supply Voltage	
Negative Bias Value	100 Volts Max.
Positive Bias Value	0 Volts Max.
Peak Negative Value	200 Volts Max.
Peak Positive Value	90 Volts Max.
Grid No. 1 Supply Voltage	
Negative Bias Value	100 Volts Max.
Positive Bias Value	0 Volts Max.
Peak Negative Value	200 Volts Max.
Peak Positive Value	Limited in Any Application by the Peak Cathode Current and the Grid No. 1 Input
Plate Dissipation	1 Watt Max.
Grid No. 3 Input	0.5 Watt Max.
Grids No. 2 and No. 4 Input	1 Watt Max.
Grid No. 1 Input	0.5 Watt Max.
DC Cathode Current	20 Ma Max.
Peak Cathode Current	70 Ma Max.
Bulb Temperature (at Hottest Point)	120°C Max.
Grid No. 1 or Grid No. 3 Circuit Resistance	
Fixed Bias	0.5 Megohm Max.
Cathode Bias	1.0 Megohm Max.

QUICK REFERENCE DATA

The Sylvania Type 5915 is a miniature, dual control heptode designed for service in electronic computors and other control applications envolving long periods of operation under cut-off conditions.





SYLVANIA ELECTRIC PRODUCTS INC.

RADIO TUBE DIVISION
EMPORIUM, PA.

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FEBRUARY, 1955

CHARACTERISTICS

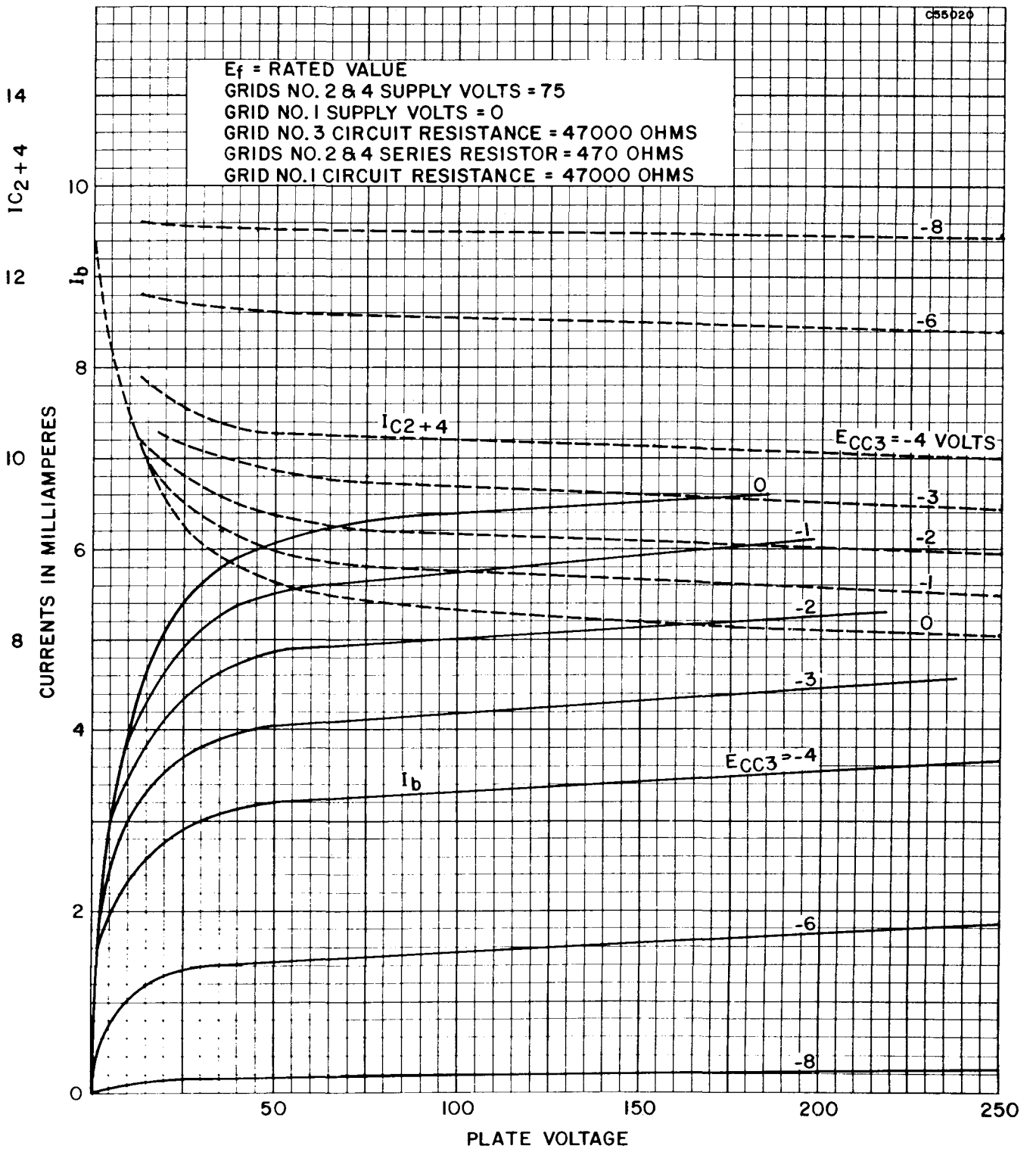
Class A Amplifier

Plate Voltage	67.5	67.5	Volts
Grids No. 2 and No. 4 Voltage	67.5	67.5	Volts
Grid No. 3 Voltage	0	−4	Volts
Grid No. 1 Voltage	0	0	Volts
Grid No. 1 Transconductance	2000		μmhos
Grid No. 3 Transconductance		1100	μmhos

TYPICAL OPERATION

	Cutoff Condition		Zero Bias Condition	
	Grid No. 1 Control	Grid No. 3 Control		
Plate Supply Voltage	150	150	150	Volts
Grid No. 3 Supply Voltage	0	−10	0	Volts
Grids No. 2 and No. 4 Supply Voltage	75	75	75	Volts
Grid No. 1 Supply Voltage	−10	0	0	Volts
Plate Circuit Resistance	20,000	20,000	20,000	Ohms
Grid No. 3 Circuit Resistance	47,000	47,000	47,000	Ohms
Grids No. 2 and No. 4 Series Resistor	470	470	470	Ohms
Grid No. 1 Circuit Resistance	47,000	47,000	47,000	Ohms
Plate Current	0	0	5.8	Ma
Grids No. 2 and No. 4 Current	0	14	9	Ma

AVERAGE CHARACTERISTICS



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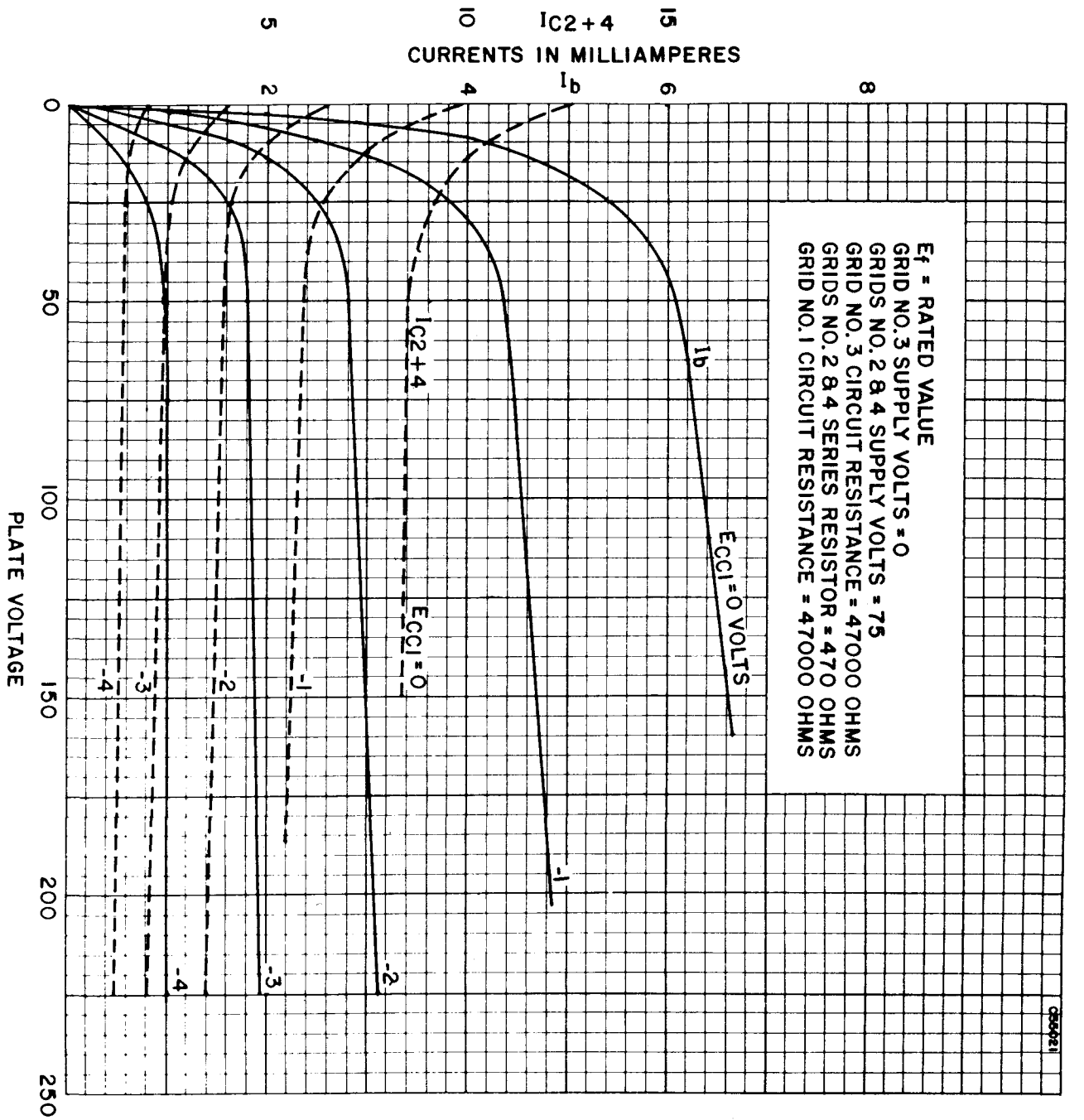
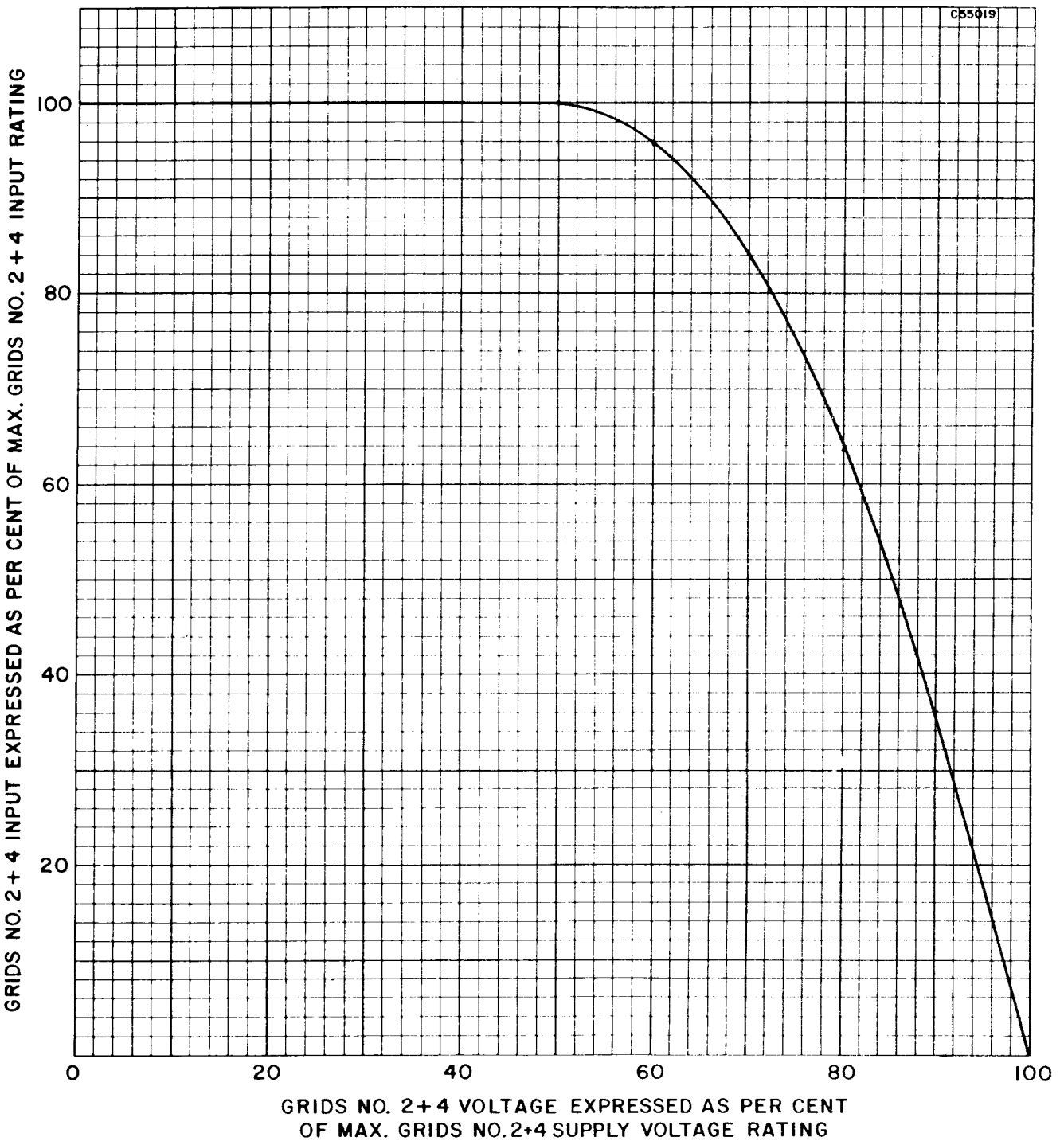
RATING CHART