

ADVANCE DATA

MECHANICAL DATA

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

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Operation	4JK6 Series	5JK6 Series	6JK6 Parallel	
Heater Voltage	3.7	4.9	6.3	Volts
Heater Current	600	450	350	Ma
Heater Warm-up Time	11	11	-	Seconds
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)

Grid No. 1 to Plate	.02	pf	Max.
Input: g1 to (h + k + g2 + g3 + IS)	9.5	pf	
Output: p to (h + k + g2 + g3 + IS)	2.7	pf	

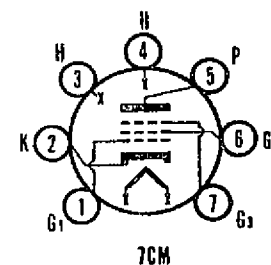
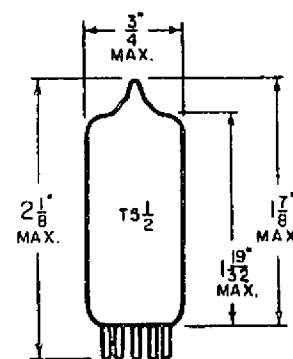
RATINGS (Design Maximum Values)

Plate Voltage	275	Volts	Max.
Grid No. 2 Supply Voltage	275	Volts	Max.
Grid No. 2 Voltage	See Rating Chart		
Plate Dissipation	2.5	Watts	Max.
Grid No. 2 Dissipation	0.6	Watt	Max.
Cathode Current	22	Ma	Max.
Grid No. 1 Circuit Resistance (Self Bias)	0.5	Megohm	Max.

QUICK REFERENCE DATA

The 6JK6, 5JK6 and 4JK6 are 7-pin miniature, sharp cutoff pentodes, featuring frame grid construction, very high Gm, and automated manufacturing techniques which insure exceptional product uniformity. They are designed for IF amplifier applications in TV receivers.

The 5JK6 and 4JK6 have controlled heater warm-up time for series string operation.



SYLVANIA ELECTRONIC TUBES

A Division of Sylvania Electric Products Inc.

RECEIVING TUBE OPERATIONS EMPORIUM, PA.

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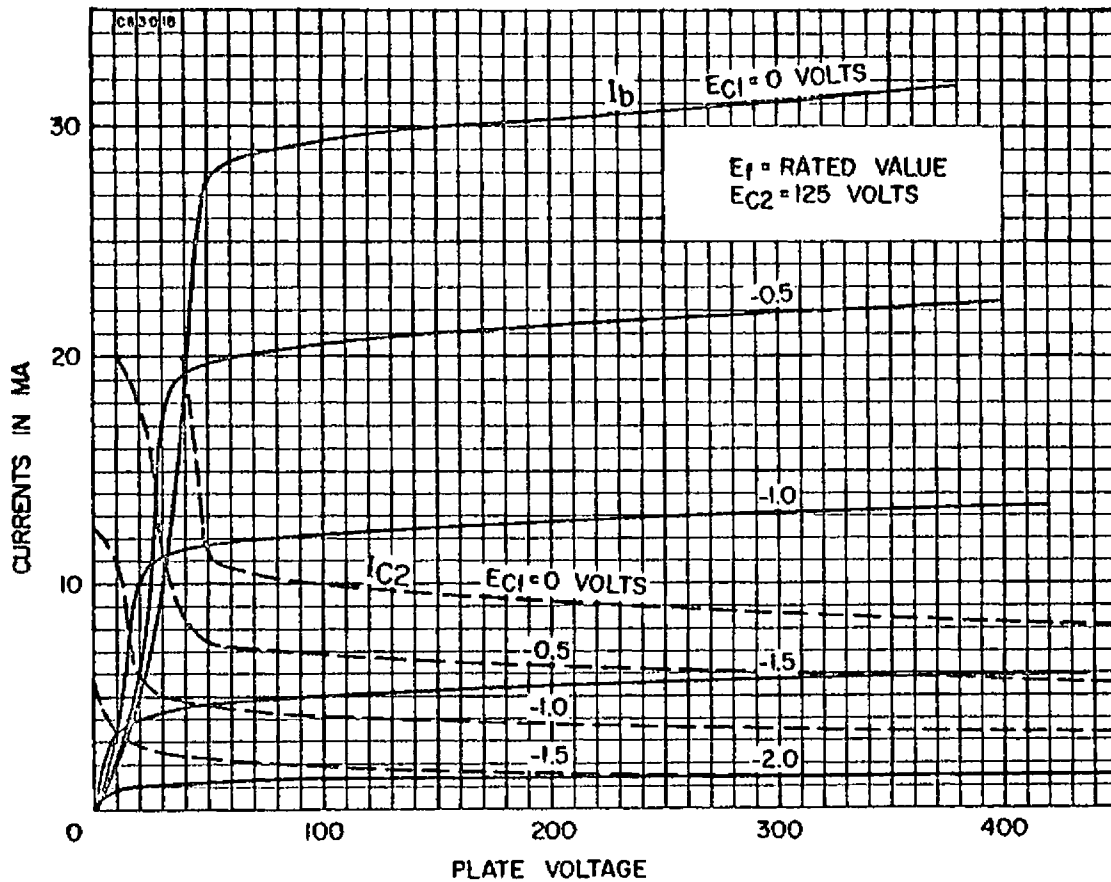
6JK6
 5JK6
 4JK6

CHARACTERISTICS AND TYPICAL OPERATION

Class A₁ Amplifier

Plate Voltage		125	Volts
Grid No. 5 Voltage	Connected to Cathode at Socket		
Grid No. 2 Voltage		125	Volts
Cathode Bias Resistor		68	Ohms
Plate Current		11.5	Ma
Grid No. 2 Current		3.9	Ma
Transconductance		18,000	μhos
Plate Resistance (Approx.)		0.15	Megohm
Grid No. 1 Voltage for I _b = 20 μa (Approx.)		-3.5	Volts
R Input at 44 mc		4000	Ohms

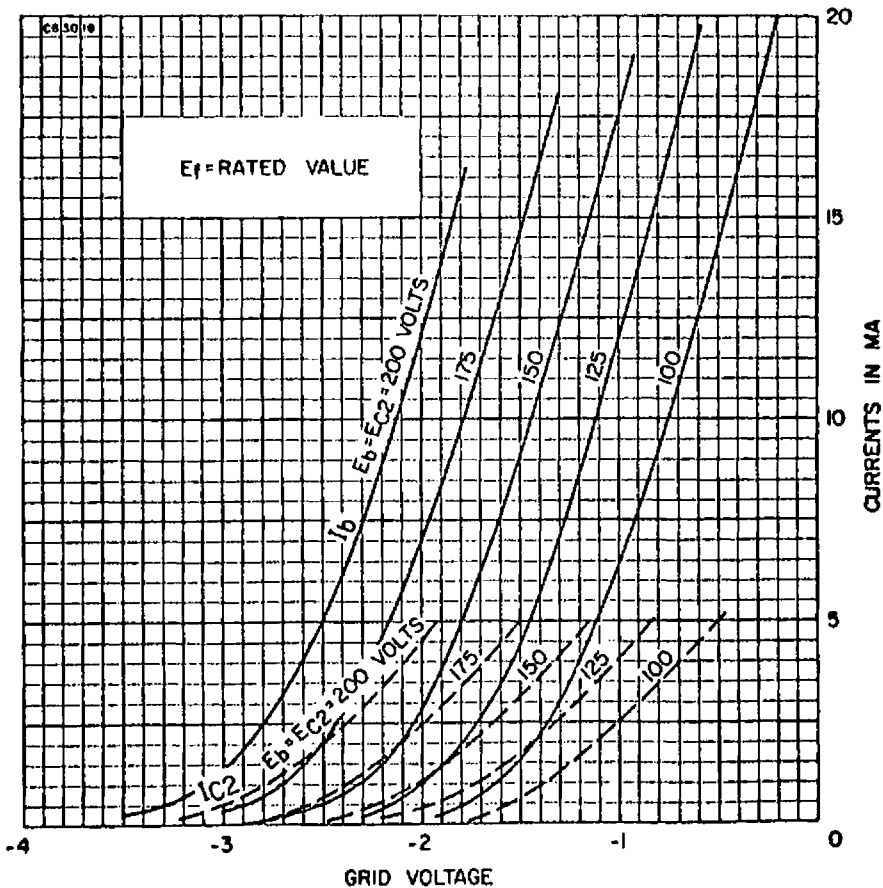
AVERAGE PLATE CHARACTERISTICS



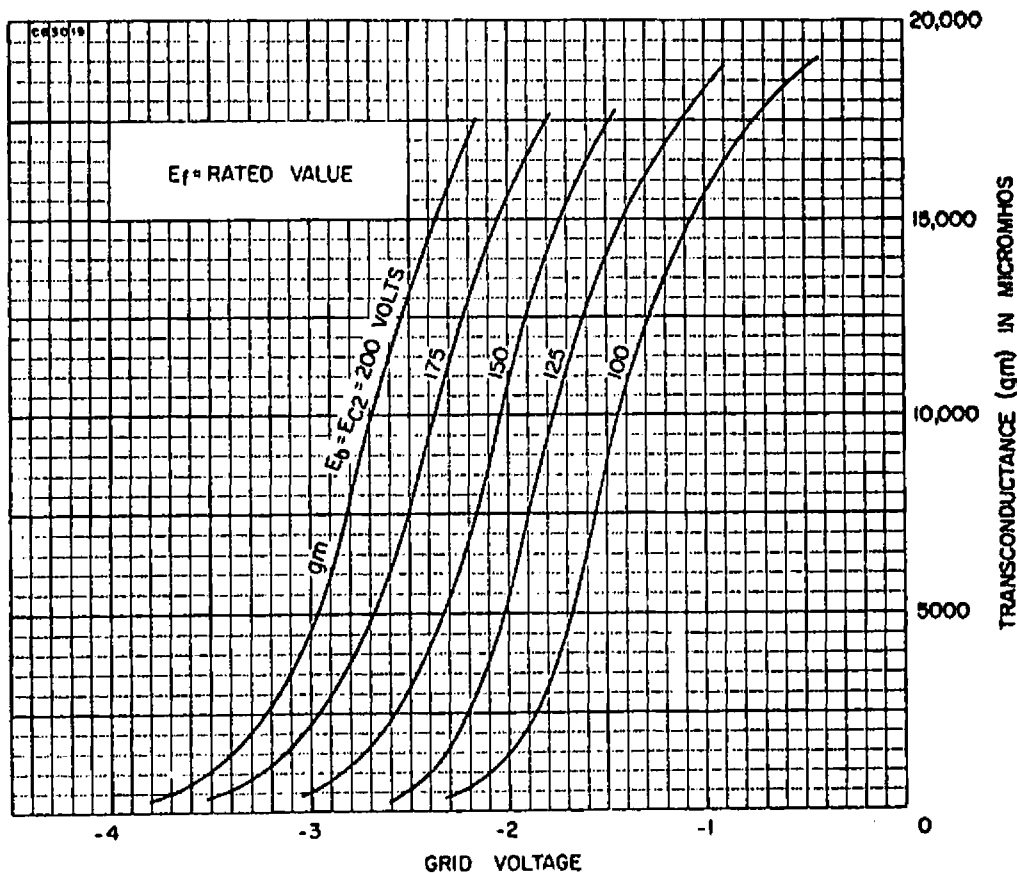
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AVERAGE TRANSFER CHARACTERISTICS



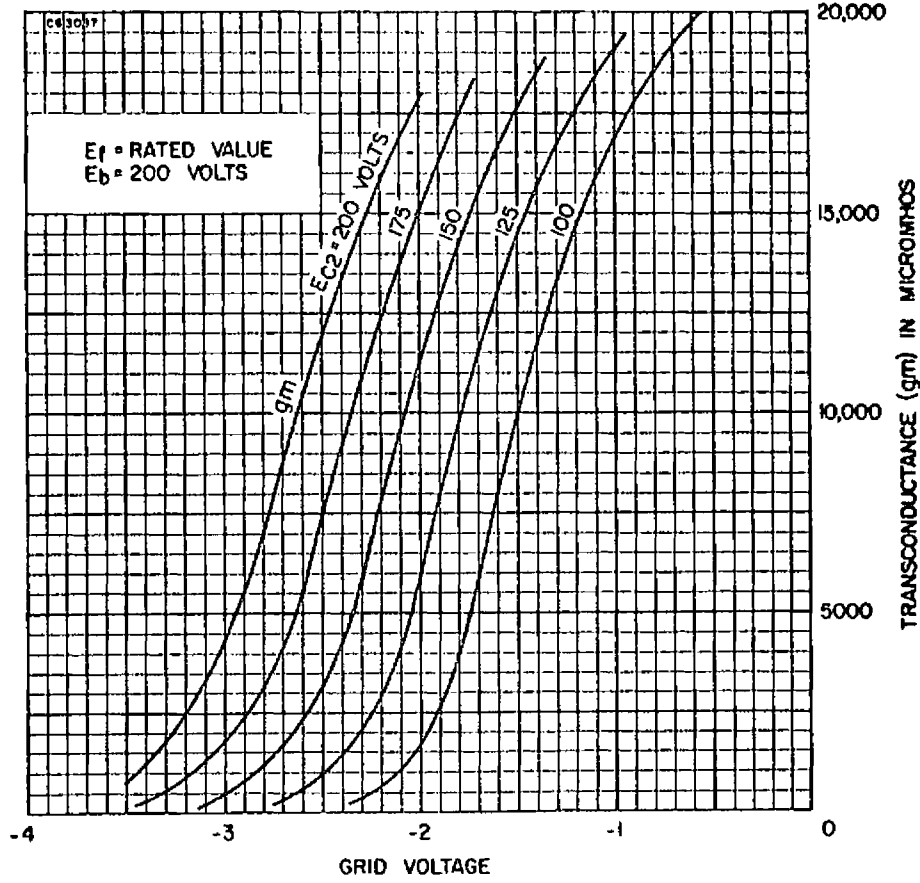
AVERAGE TRANSFER CHARACTERISTICS

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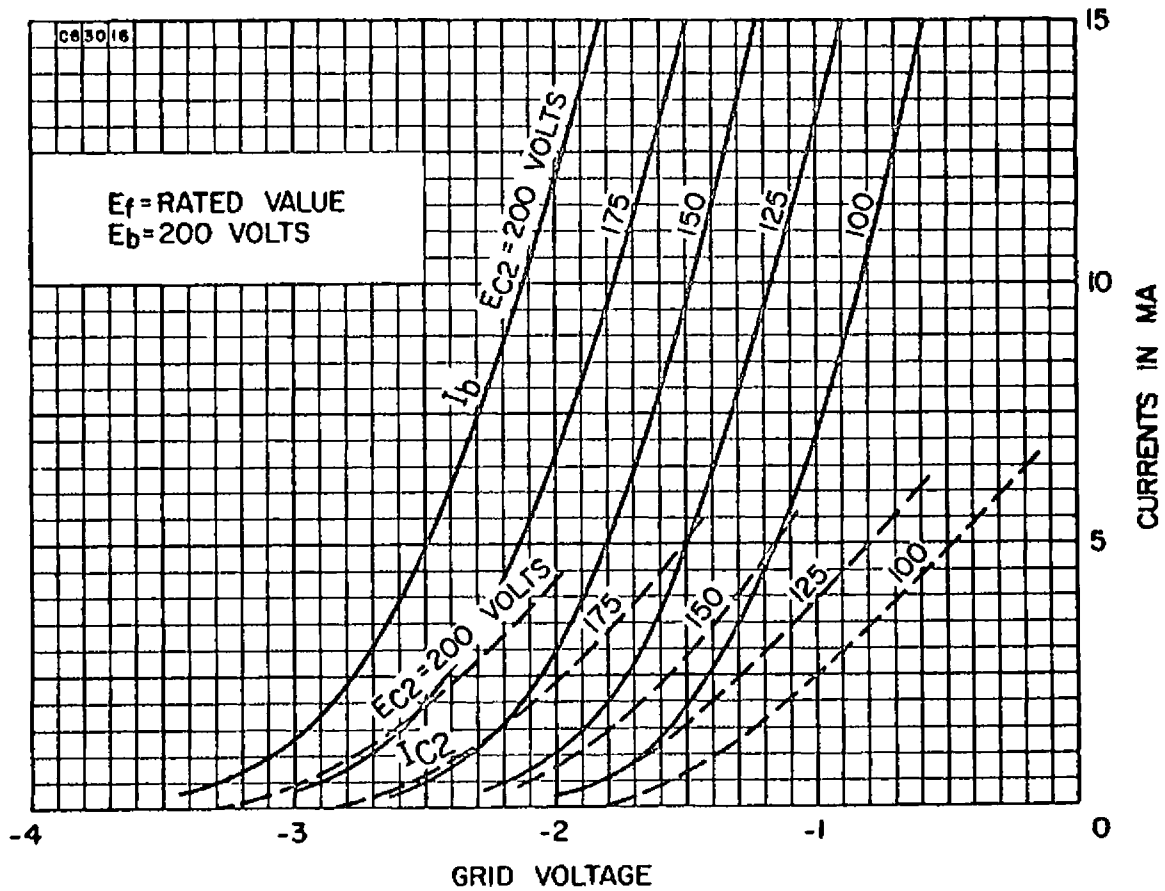
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AVERAGE TRANSFER CHARACTERISTICS



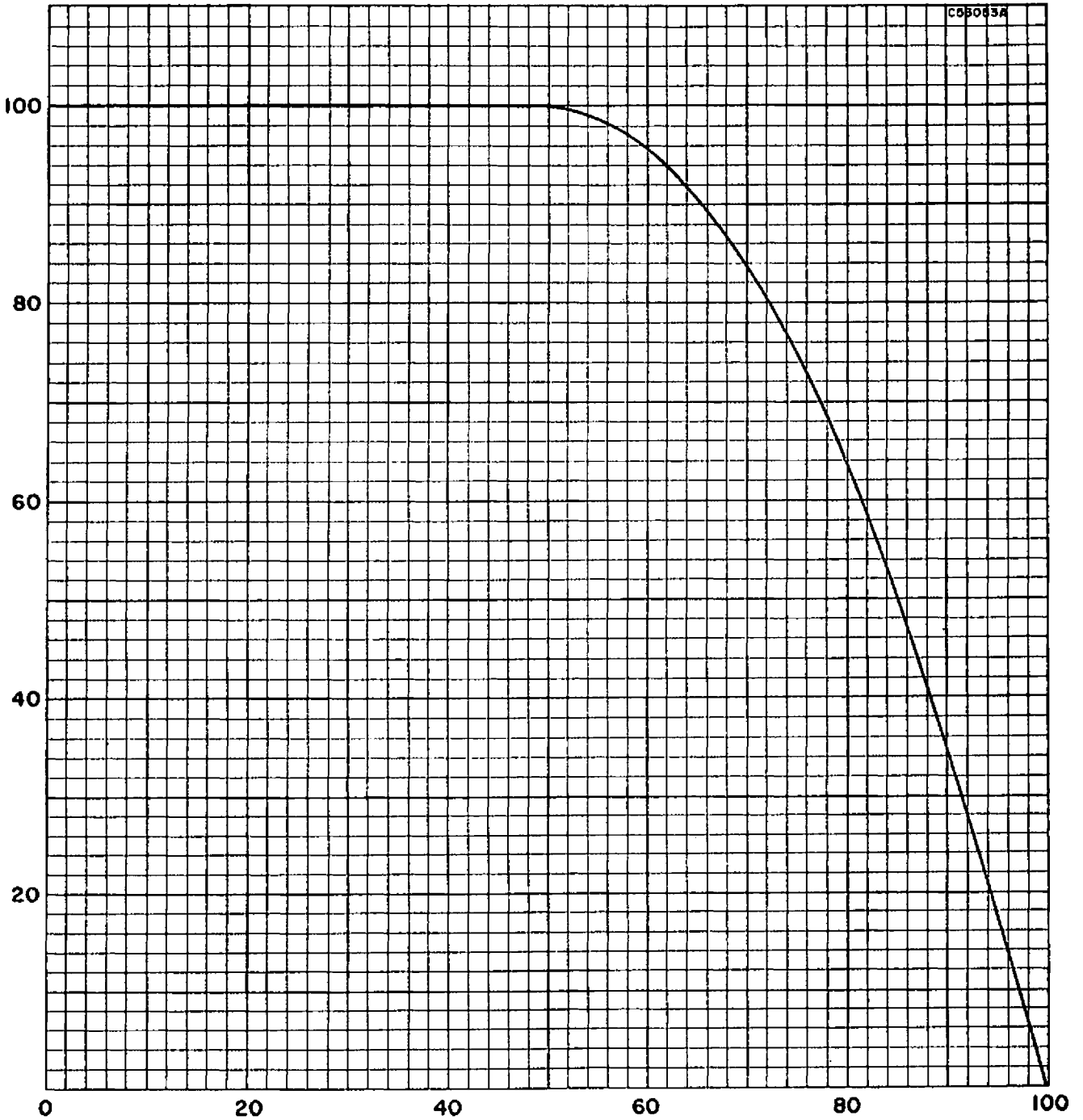
6JK6

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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