



SYLVANIA

engineering data service

6JK6

5JK6

4JK6

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	

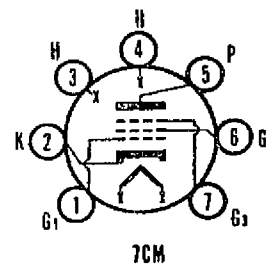
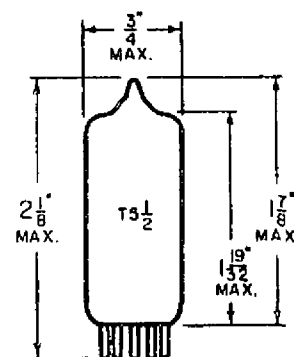
RATINGS (Design Maximum Values)

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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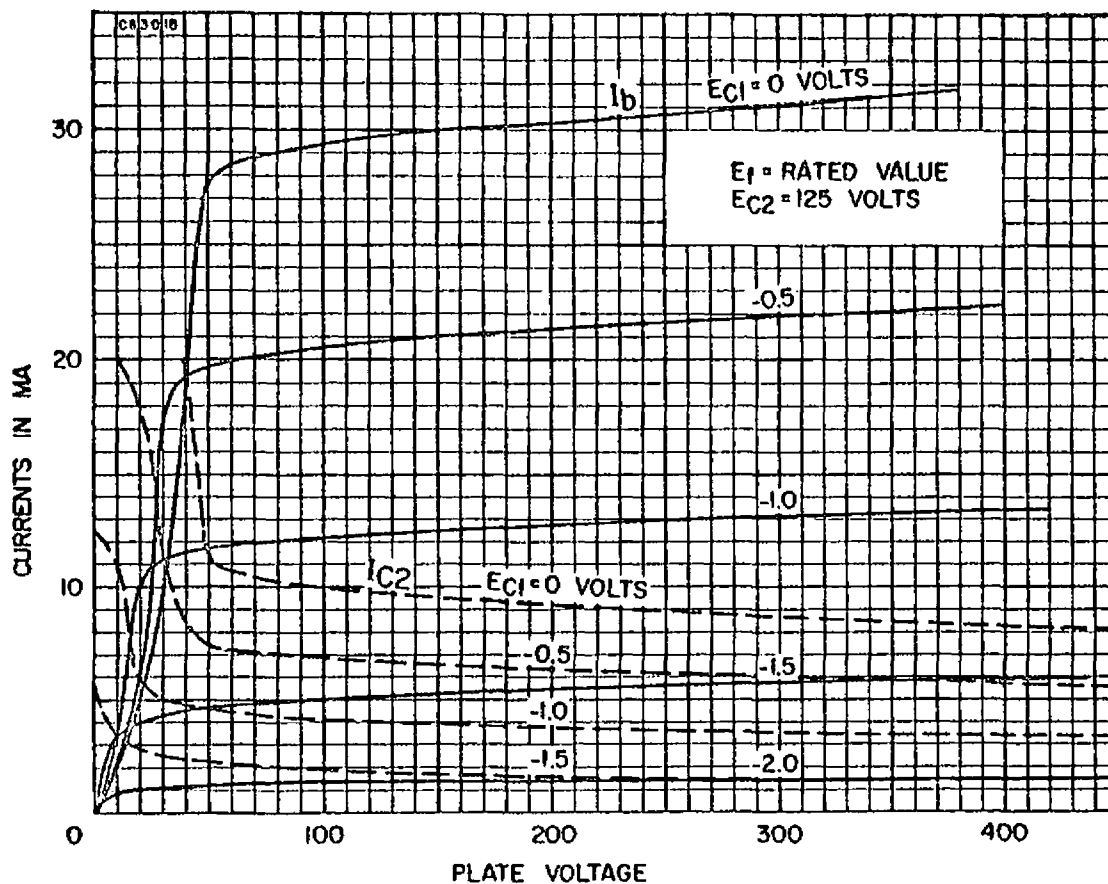
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CHARACTERISTICS AND TYPICAL OPERATION

Class A_1 Amplifier

Plate Voltage	125	Volts
Grid No. 3 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	μ hos
Plate Resistance (Approx.)	0.15	Megohm
Grid No. 1 Voltage for $I_b = 20 \mu$ a (Approx.)	-3.5	Volts
R Input at 44 mc	4000	Ohms

AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

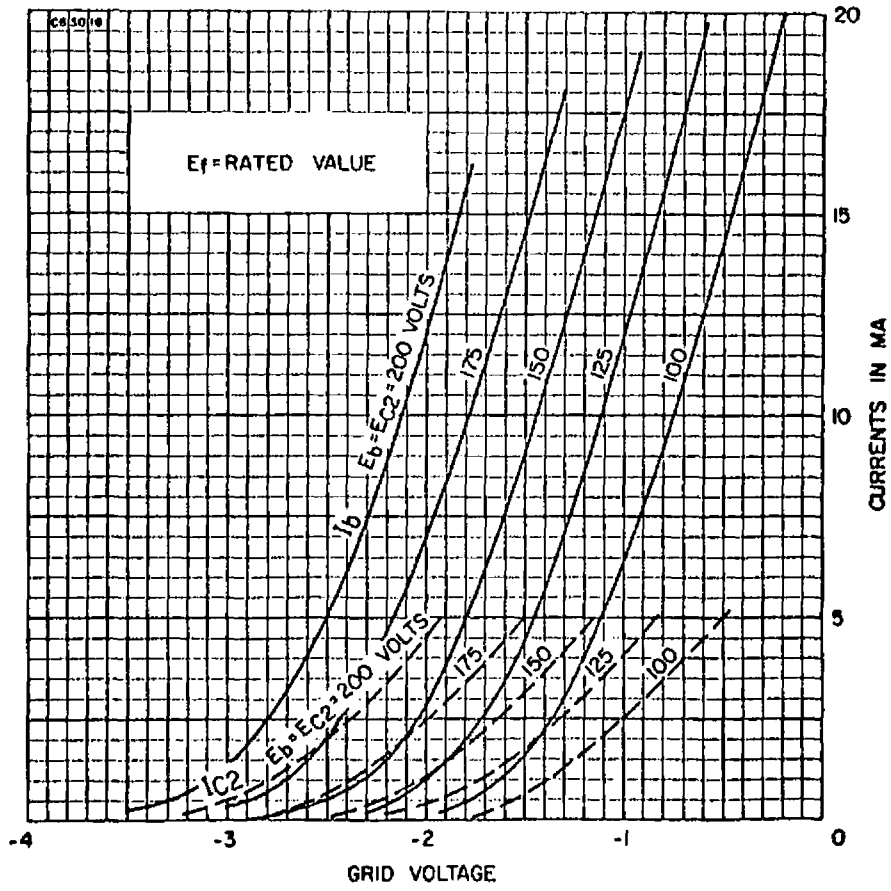
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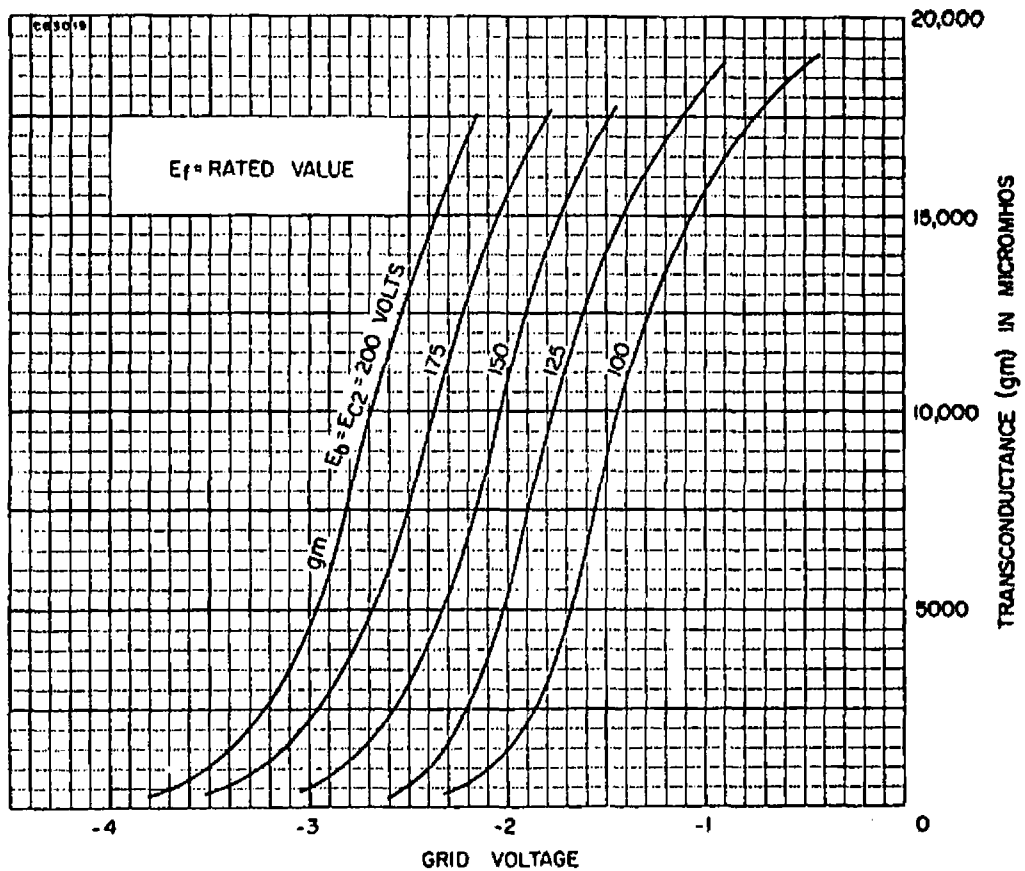
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AVERAGE TRANSFER CHARACTERISTICS



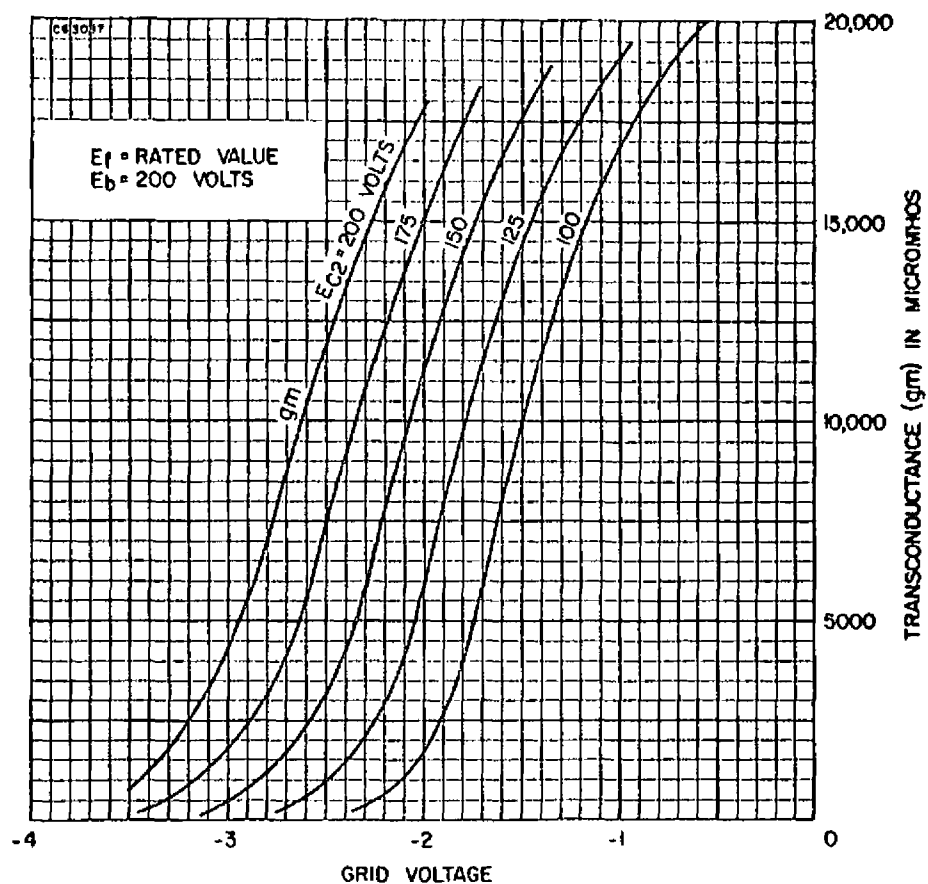
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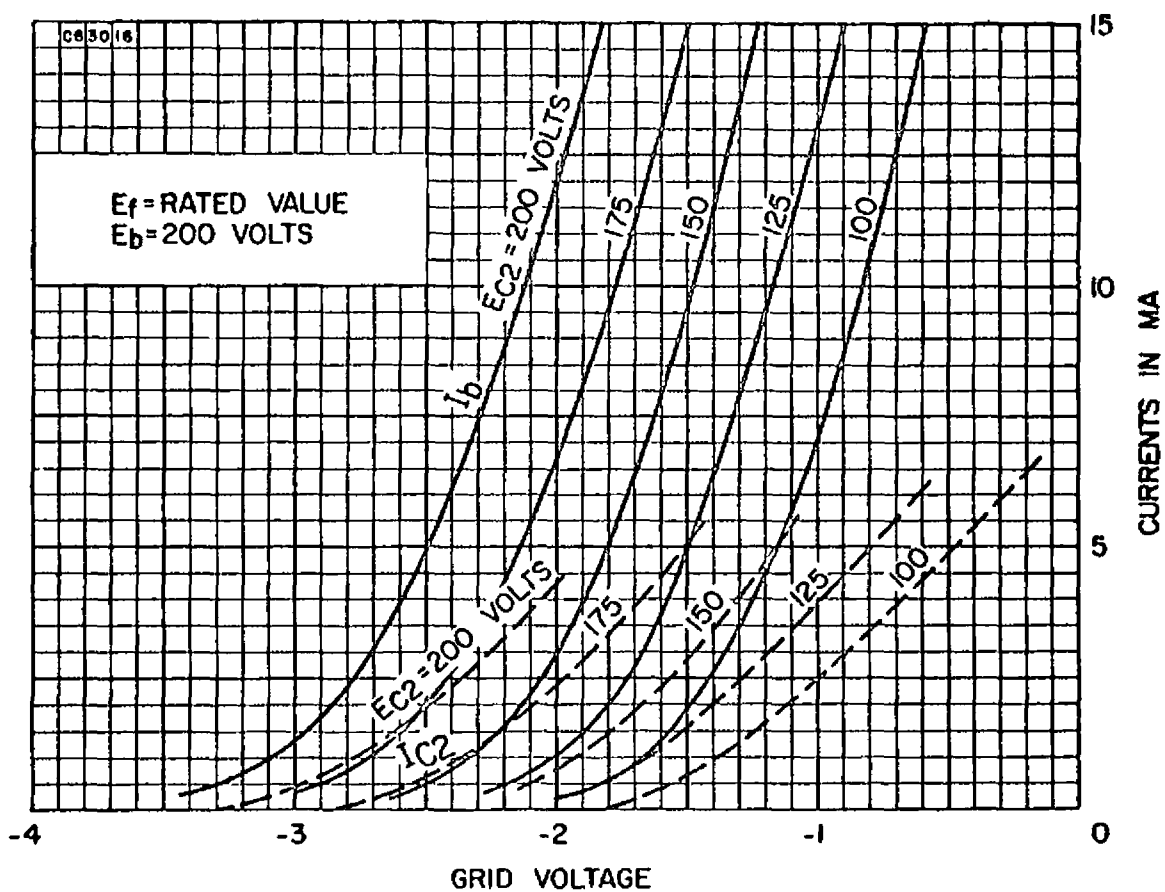
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AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



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RATING CHART

