



6SK7, 6SK7-GT/G

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6SK7-GT/G

TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater [■]		Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts	
Current	0.3	amp.	
	<u>6SK7</u>	<u>6SK7-GT/G</u>	
Direct Interelectrode Cap.	▲	▲▲	
Grid to Plate	0.003 max.	0.005 max.	μf
Input	6.0	6.5	μf
Output	7.0	7.5	μf
Maximum Overall Length	2-5/8"	3-5/16"	
Maximum Seated Height	2-1/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	{ Small Wafer Octal 8-Pin	{ Small Wafer Octal 8-Pin, Sleeve	
Basing Designation	8N	GT-8N	
Pin 1 { 6SK7, Shell 6SK7-GT/G, Base		Pin 4 - Grid	
Pin 2 - Heater		Pin 5 - Cathode	
Pin 3 - Suppressor		Pin 6 - Screen	
Pin 4 - Heater		Pin 7 - Heater	
Mounting Position		Pin 8 - Plate	Any

BOTTOM VIEW

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	300 max.	volts
Screen Voltage	125 max.	volts
Screen Supply Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	4.0 max.	watts
Screen Dissipation	0.4 max.	watt

Typical Operation and Characteristics - Class A₁ Amplifier:

Plate	100	250	volts
Screen	100	100	volts
Grid	-1	-3	volts
Suppressor	Connected to cathode at socket		
Plate Res.	0.12	0.8	approx. megohm
Transconc.	2350	2000	μmhos
Grid Bias for transcond. of 10 μmhos	-35	-35	volts
Plate Cur.	13	9.2	ma.
Screen Cur.	4.0	2.6	ma.

■ In circuits where the cathode is not connected directly to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ With shell connected to cathode.

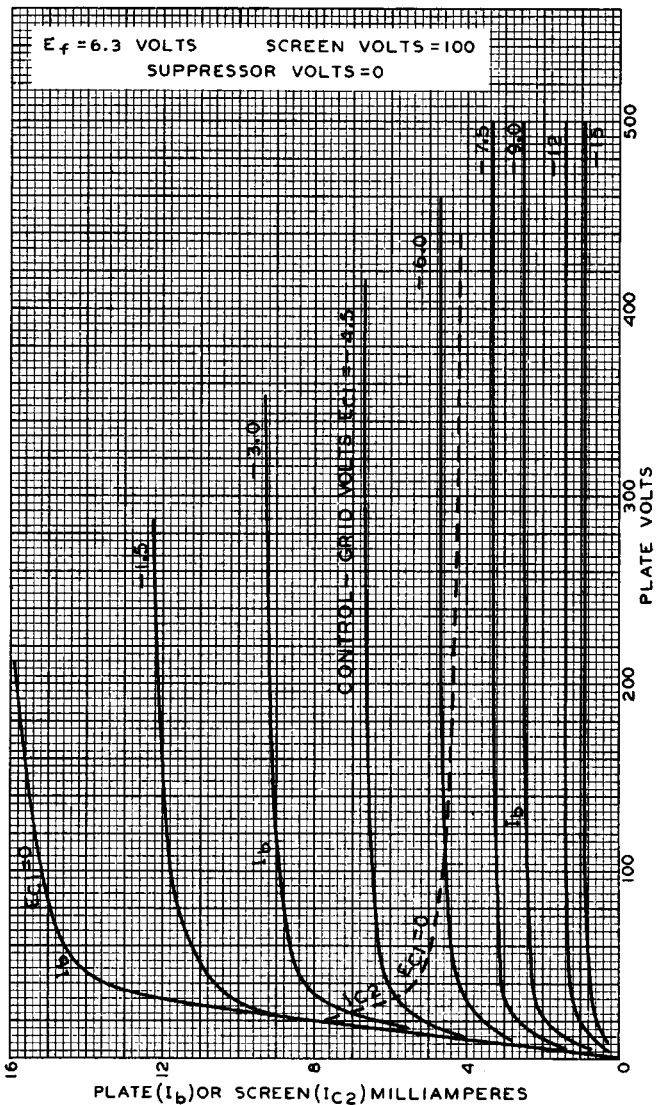
▲▲ With shield connected to cathode.

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AVERAGE PLATE CHARACTERISTICS



JUNE 24, 1938

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4940



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AVERAGE CHARACTERISTICS

