



6SK7, 6SK7-GT/G

6SK7
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.
	6SK7	6SK7-GT/G
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
Sleeve		Pin 5 - Cathode
Pin 2 - Heater		Pin 6 - Screen
Pin 3 - Suppressor		Pin 7 - Heater
Mounting Position		Pin 8 - Plate

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.

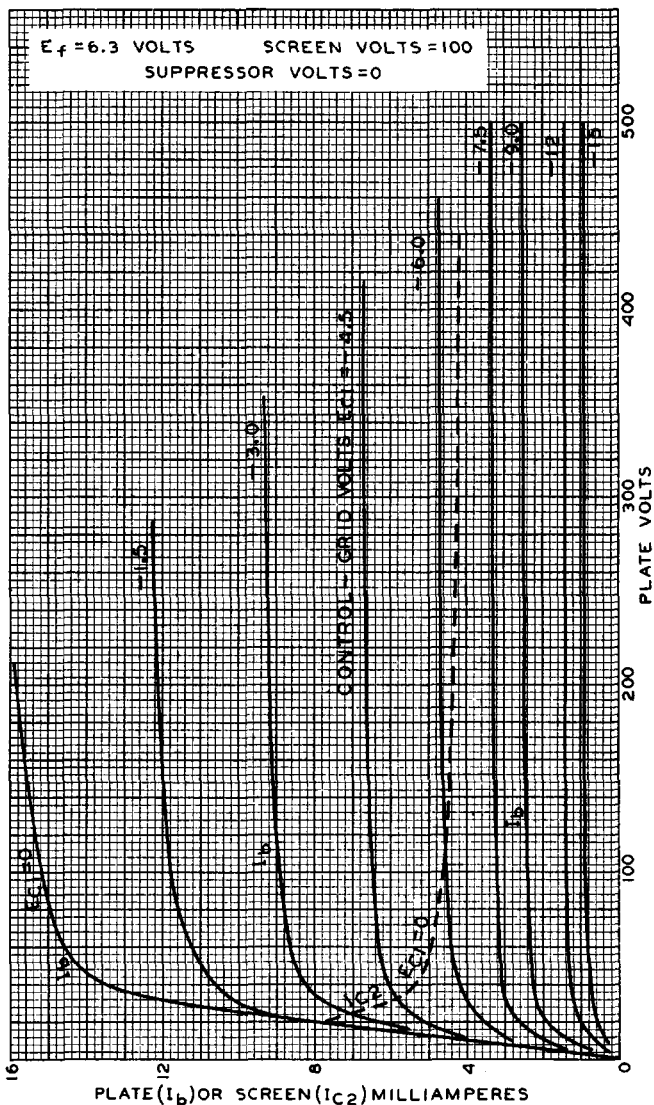
▲▲ With shield connected to cathode.

6SK7



6SK7

AVERAGE PLATE CHARACTERISTICS



JUNE 24, 1938

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4940



6SK7

6SK7

AVERAGE CHARACTERISTICS

