6SS7

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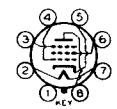
TRIPLE-GRID SUPER-CONTROL AMPLIFIER

SINGLE-ENDED METAL TYPE

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances: ○		
Grid to Plate	0.004 max.	μμf
Input	5.5	μμf
Output	7.0	μμf
Maximum Overall Length	2-5/8"	
Maximum Seated Height	2-1/16"	
Maximum Diameter	1-5/16"	
Bulb	Metal Shell, MT-8	
Base	Small Wafer Octal, 8-Pin	
Pin 1 - Shell	Pin 5 - Cathode	
Pin 2 - Heater	Pin 6 - Screen	
Pin 3 - Suppressor	Pin 7 - Heater	
Pin 4 - Grid	Pin 8 - Plate	
Mounting Position	Any	



BOTTOM VIEW (8N)

AMPLIFIER

Plate Voltage		300 max.	volts
Screen Voltage		100 max.	volts
Screen Supply Voltage		300 max.	volts
Grid Voltage		0 min.	volts
Plate Dissipation		2.25 max.	watts
Screen Dissipation		0.35 max.	watt
Typical Operation and Characteristics - Class A_1 Amplifier:			
Plate Voltage	100	250	volts
Screen Voltage	100	100	volts
Grid Voltage	-1	-3	volts
Suppressor	Connected to cathode at socket		
Plate Res.	0.12	1.0	approx. megohm
Transcond.	1930	1850	μmhos
Grid Bias for Transcond. of 10 μmhos (approx.)	-35	-35	volts
Plate Cur.	12.2	9	ma.
Screen Cur.	3.1	2	ma.

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

○ With shell connected to cathode.

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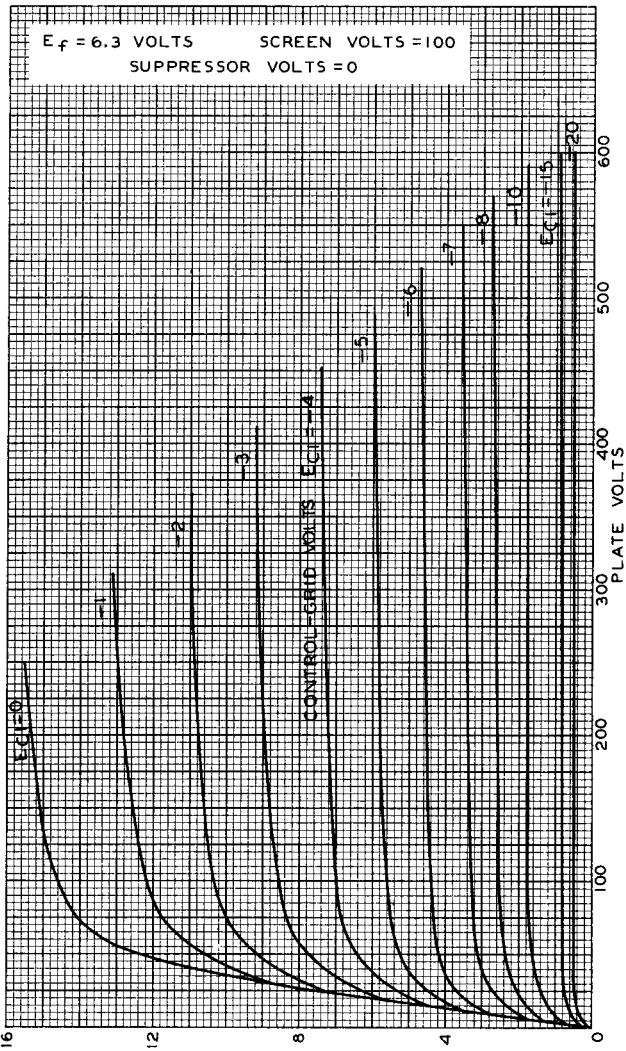
AVERAGE PLATE CHARACTERISTICS



APR. 3, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6270