



6S7, 6S7-G



6S7-G

TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
	6S7	6S7-G
Direct Interelectrode Cap.	▲	▲▲
Grid to Plate	0.005 max.	0.008 max. μf
Input	6.5	4.4 μf
Output	10.5	8 μf
Overall Length	3-1/8" max.	{ 4-7/32" to 4-15/32"
Maximum Diameter	1-5/16"	1-9/16"
Bulb	Metal Shell, MT-8	ST-12
Cap	Miniature	Skirted Min.
Base	{ Small Wafer Octal 7-Pin	{ Small Shell Octal 7-Pin
Basing Designation	7R	G-7R
Pin 1 { 6S7, Shell 6S7-G, No Con.		Pin 5 - Suppressor
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Pin 4 - Screen		Cap - Grid
Mounting Position		Any



BOTTOM VIEW

AMPLIFIER - Class A₁

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	0.25 max.	watt
Typical Operation:		
Plate	135	250 volts
Screen	67.5	100 volts
Grid	-3	-3 volts
Suppressor	Connected to cathode at socket	
Plate Res. (approx.)	1	1 megohm
Transcond.	1250	1750 μmhos
Transcond.	10 [●]	10 [▲] μmhos
Plate Cur.	3.7	8.5 ma.
Screen Cur.	0.9	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.

▲▲ With close-fitting shield connected to cathode.

● With grid bias of -25 volts.

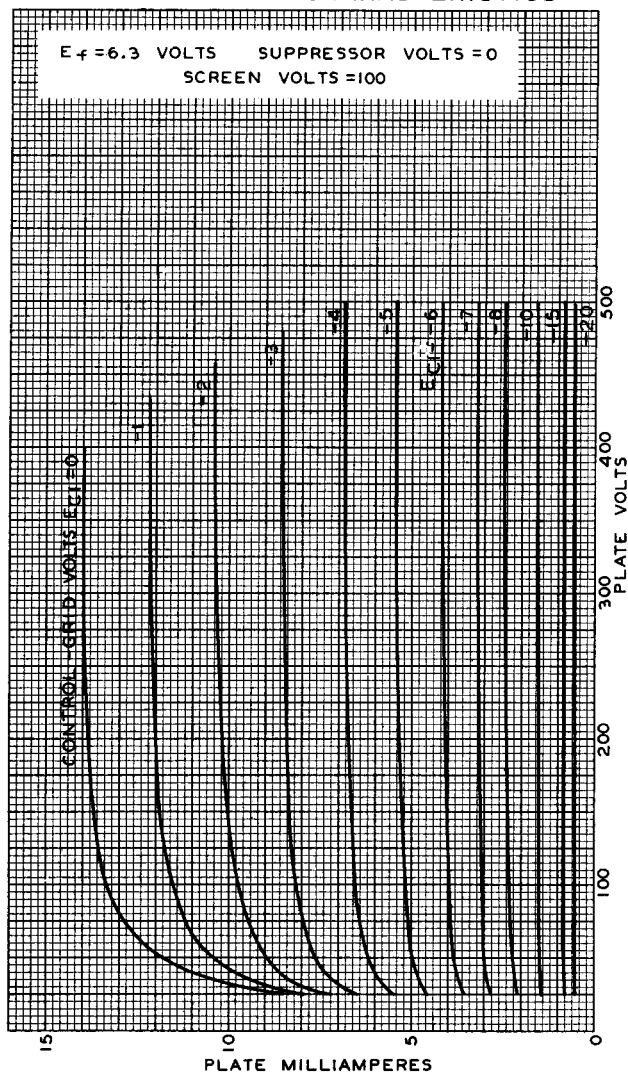
▲ With grid bias of -38.5 volts.

6S7



6S7

AVERAGE PLATE CHARACTERISTICS



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RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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