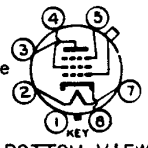




6K7, 6K7-G, 6K7-GT



TRIPLE-GRID SUPER-CONTROL AMPLIFIER

		Coated Unipotential Cathode		
Heater	Voltage	6.3	a-c or d-c volts	
	Current	0.3	amp.	
		6K7	6K7-G	6K7-GT
Direct Interelectrode Cap.	▲	▲▲	▲▲	←
Grid to Plate	0.005	0.007	0.005	μuf
Input	7	5	4.6	μuf
Output	12	12	12	μuf
Overall Length	{ 3-1/8" max.	{ 4-7/32" to 4-15/32"	3-5/16" max.	
Seated Height	{ 2-9/16" max.	{ 3-21/32" to 3-29/32"	← 2-3/4" max.	
Maximum Diameter	1-5/16"	1-9/16"	1-5/16"	
Bulb	Metal Shell, MT-8	ST-12	T-9	
Cap	Miniature	{ Skirted Min. Style C	{ Skirted Min. Style C	
Base	{ Small Wafer Octal 7-Pin	{ Small Shell Octal 7-Pin	{ Sm. Wafer Octal 7-Pin, Sleeve	
Basing Designation	7R	G-7R	GT-7R	
Pin 1	{ 6K7, Shell 6K7-G, No Con. 6K7-GT, Base Sleeve	Pin 4 - Screen		
Pin 2 - Heater		Pin 5 - Suppressor		
Pin 3 - Plate		Pin 7 - Heater		
Mounting Position		Pin 8 - Cathode		
		Cap - Grid		Any
		← <u>AMPLIFIER</u> ←		
Plate Voltage		300 max.	volts	
Screen Voltage		125 max.	volts	
Screen Supply Voltage		300 max.	volts	
Grid Voltage		0 min.	volts	
Plate Dissipation		2.75 max.	watts	
Screen Dissipation		0.35 max.	watt	
<i>Typical Operation and Characteristics - Class A₁ Amplifier:</i>				
Plate	100	250	250	volts
Screen	100	100	125	volts
Grid	-1	-3	-3	volts
Suppressor	Connected to cathode at socket			
Plate Res.	0.15	0.8	0.6	approx. megohm
Transcond.	1650	1450	1650	μmhos
Grid Bias for transcond.				
of approx. 2 μmhos	-38.5	-42.5	-52.5	volts
Plate Cur.	9.5	7.0	10.5	ma.
Screen Cur.	2.7	1.7	2.6	ma.
<p>■ 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.</p> <p>▲ with shell connected to cathode.</p> <p>▲▲ with close-fitting shield connected to cathode. The internal shield in the dome is connected to cathode within 6K7-G and 6K7-GT.</p> <p>Curves under type 7B also apply to the 6K7, 6K7-G, and 6K7-GT.</p>				
← Indicates a change.				

Sept. 2, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

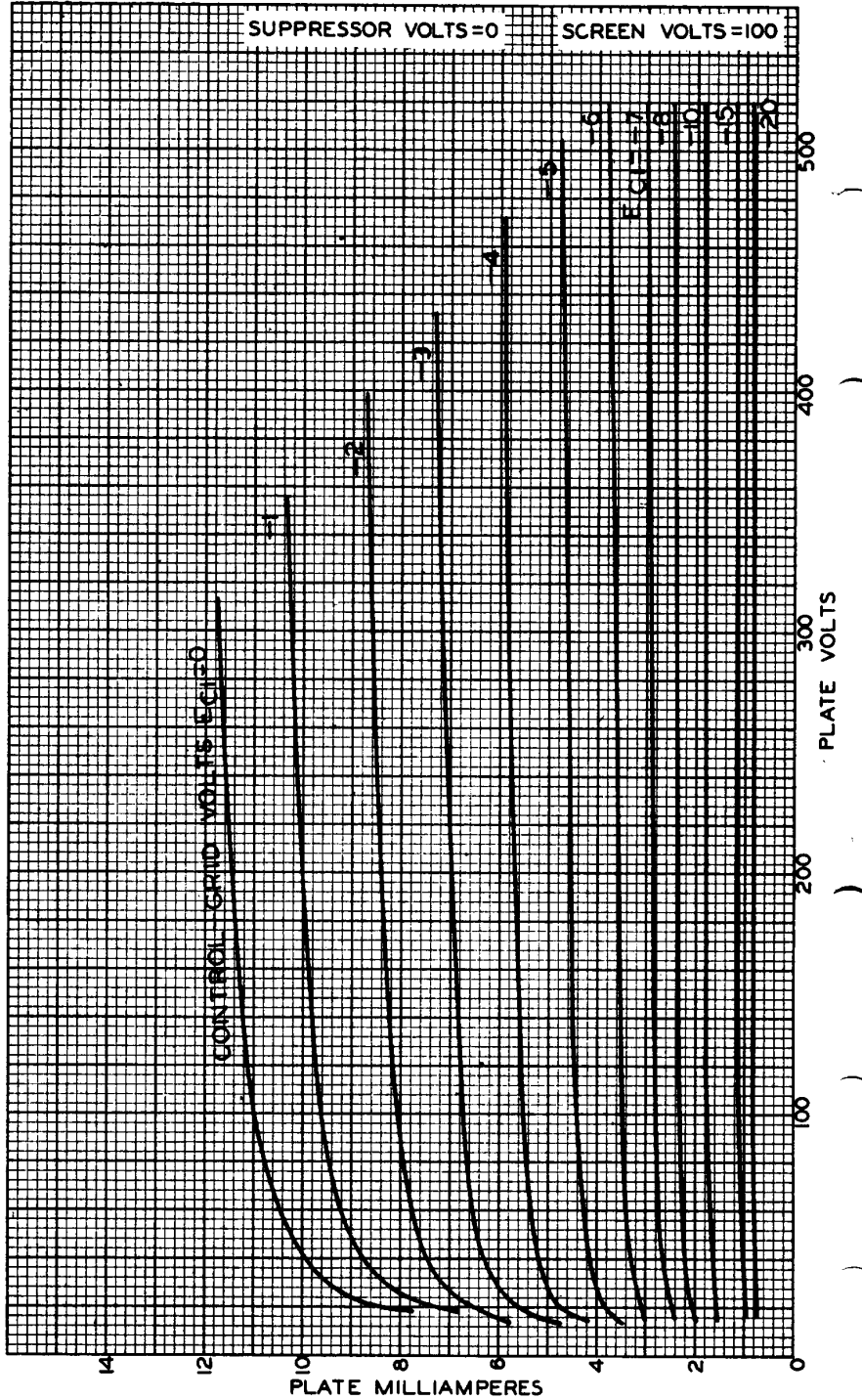
DATA

6K7



6K7

AVERAGE PLATE CHARACTERISTICS



FEB. 24, 1937

RCA RADOTRON DIVISION
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92C-4742