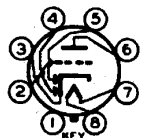




6SQ7, 6SQ7-GT/G

DUPLEX-DIODE HIGH-MU TRIODE

6SQ7
6SQ7-GT/G

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Cap.	6SQ7 ▲	6SQ7-GT/G ●
<i>Triode Unit:</i>		
Grid to Plate	1.6	1.8 μmf
Grid to Cathode	3.2	4.2 μmf
Plate to Cathode	3.0	3.4 μmf
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	8Q	GT-8Q
Pin 1	{ 6SQ7, Shell 6SQ7-GT/G, Base Sleeve	Pin 4 - Diode Plate #2
Pin 2	Triode Grid	Pin 5 - Diode Plate #1
Pin 3	Cathode	Pin 6 - Triode Plate
Mounting Position		Pin 7 - Heater
		Pin 8 - Heater
		Any
	BOTTOM VIEW	
<i>Maximum Ratings Are Design-Center Values</i>		
<u>TRIODE UNIT</u>		
Plate Voltage		300 max. volts
D-C Heater-Cathode Potential		100 max. volts
<i>Characteristics - Class A₁ Amplifier:</i>		
Heater	6.3	6.3 volts
Plate	100	250 volts
Grid	-1	-2 volts
Amp. Fact.	100	100
Plate Res.	110000	91000 ohms
Transcond.	900	1100 μmhos
Plate Cur.	0.4	0.9 ma.
<i>Typical Operation—Resistance-Coupled Amplifier:</i>		
Same as Type 75 in RESISTANCE-COUPLED AMPLIFIER CHART.		
<u>DIODE UNITS—Two</u>		
Consideration of these units is given under Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6SQ7 or 6SQ7-GT/G is not suitable. Diode curves under Type 6B7 apply to the 6SQ7 and 6SQ7-GT/G.		
▲ with shell connected to cathode. Values are approximate.		
● With no external shield. Values are approximate.		
The curve under Type 75 also applies to the 6SQ7 and the 6SQ7-GT/G.		
← Indicates a change.		

DEC. 1, 1943.

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

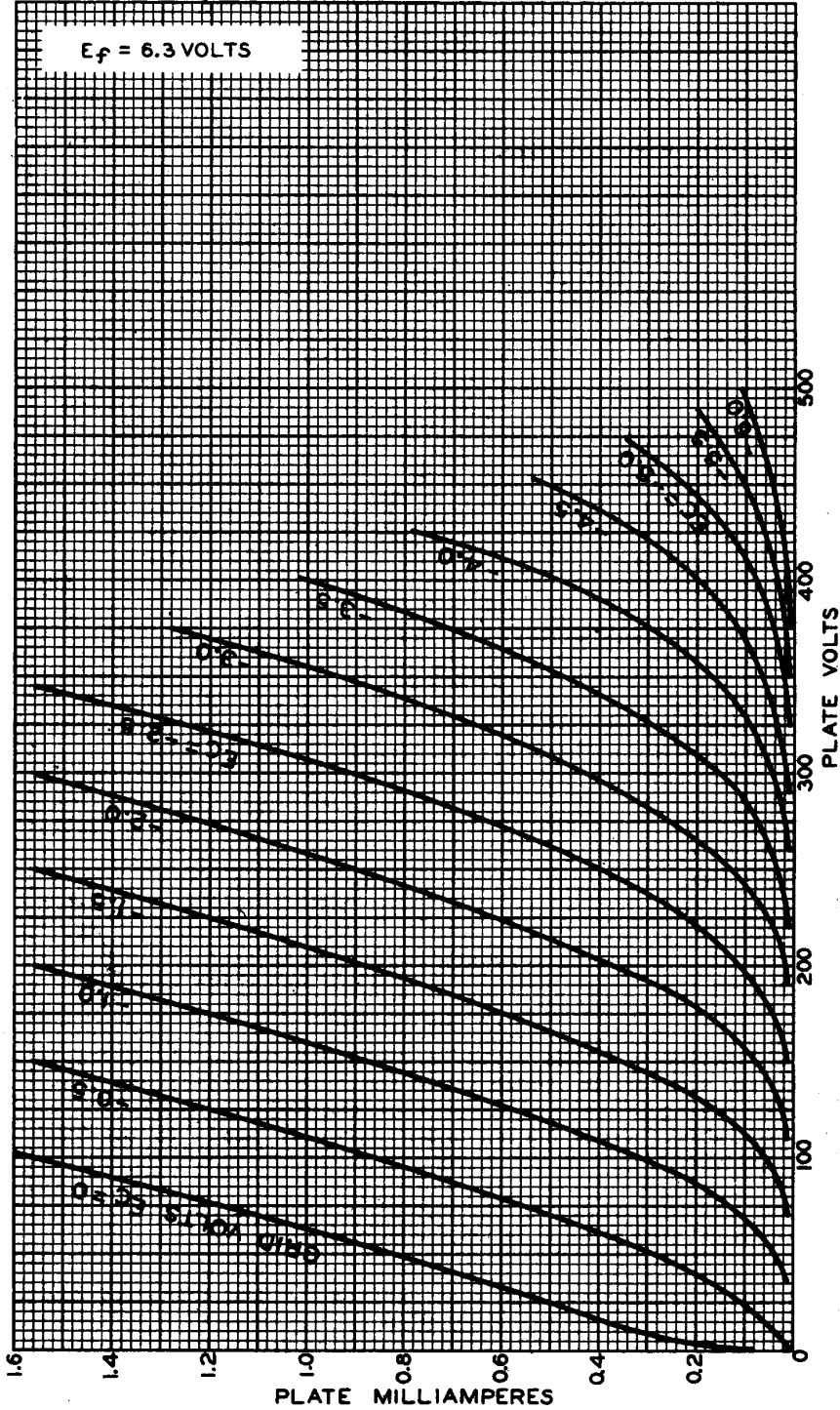
DATA

6SQ7



6SQ7

AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT



DEC. 14, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

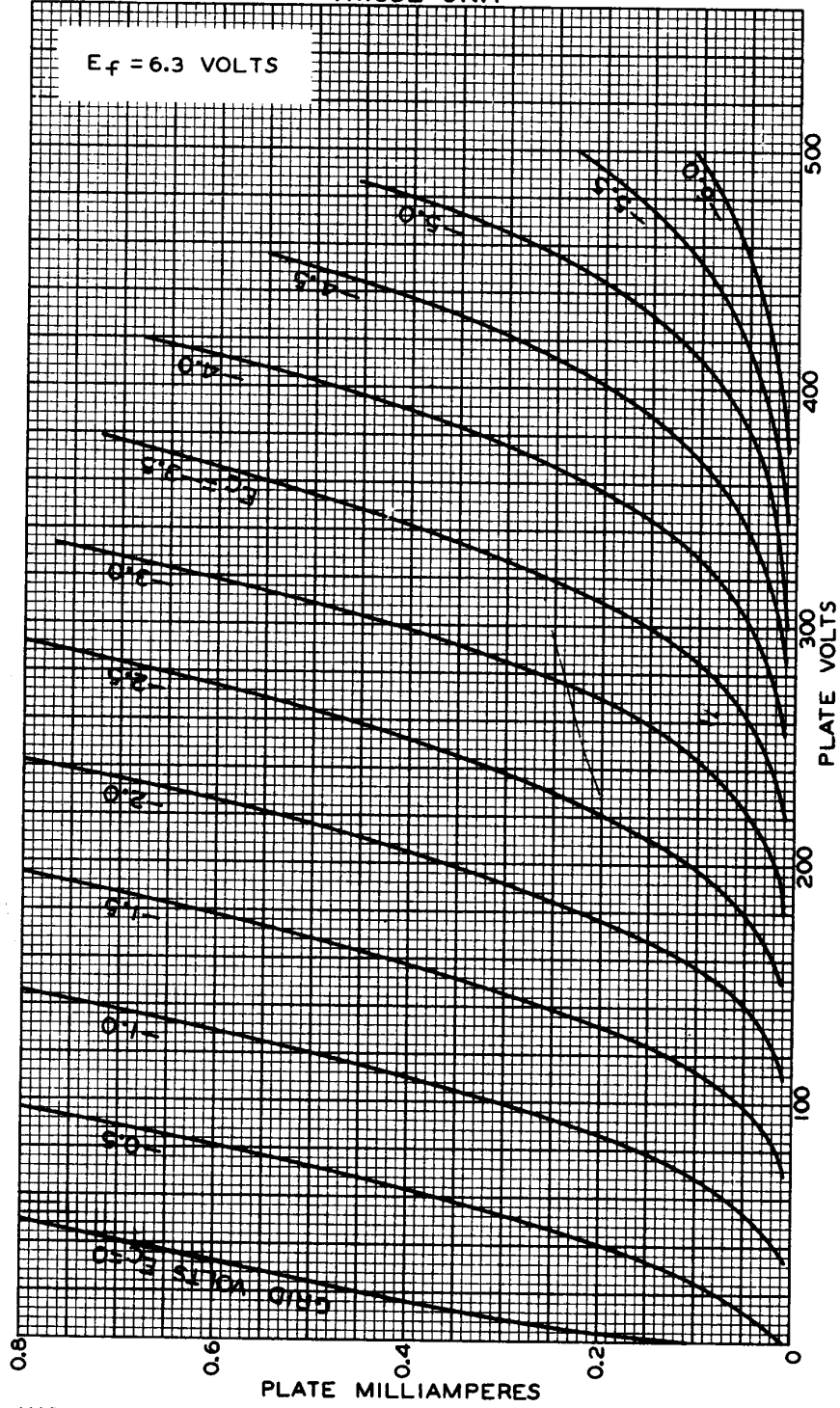
92CM-4975R2



6SQ7

6SQ7

AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT



AUG. 13, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6310