

6SQ7
6SQ7-GT/G

6SQ7, 6SQ7-GT/G

DUPLEX-DIODE HIGH-MU TRIODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.

	6SQ7	6SQ7-GT/G
Direct Interelectrode Cap.	▲	●
Triode Unit:		
Grid to Plate	1.6	1.8 μf
Grid to Cathode	3.2	4.2 μf
Plate to Cathode	3.0	3.4 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	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
Pin 4 - Diode Plate #2		Pin 7 - Heater
Pin 5 - Diode Plate #1		Pin 8 - Heater
Pin 6 - Triode Plate		
Pin 7 - Heater		
Pin 8 - Heater		
Mounting Position		Any



BOTTOM VIEW

Maximum Ratings Are Design-Center Values

TRIODE UNIT

Plate Voltage	300 max. volts
D-C Heater-Cathode Potential	100 max. volts

Characteristics - Class A₂ Amplifier:

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.

Typical Operation—Resistance-Coupled Amplifier:

Same as Type 75 in RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS—Two

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.

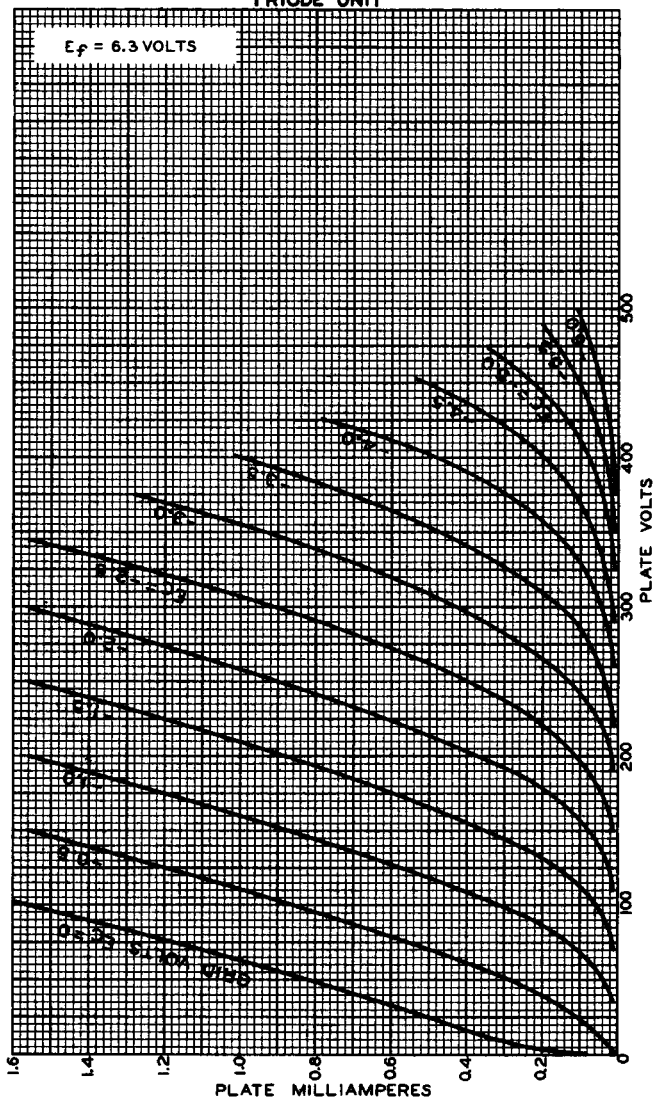
The curve under Type 75 also applies to the 6SQ7 and the 6SQ7-GT/G.

← indicates a change.

6SQ7



6SQ7

AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT $E_f = 6.3$ VOLTS

DEC. 14, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

92CM-4975R2



6SQ7

AVERAGE PLATE CHARACTERISTICS TRIODE UNIT

6SQ7

$E_f = 6.3$ VOLTS

