

CHAMPION RADIO WORKS

TYPE 6SQ7G

Duplex-Diode

High-Mu Triode

Coated Unipotential
Cathode

Pin Connections:

Pin 1	No Connection	Pin 5	Diode Plate #1
Pin 2	Triode Grid	Pin 6	Triode Plate
Pin 3	Cathode	Pin 7	Heater
Pin 4	Diode Plate #2	Pin 8	Heater

Base	Small Shell Octal 8 Pin
Bulb	ST - 12
Maximum Diameter	1 9/16"
Maximum Overall Length	4 1/8"
Mounting Position	Any

Direct Interelectrode Capacities:

Grid to Cathode	3.2 uuf.
Grid to Plate	2.0 uuf.
Plate to Cathode	1.5 uuf.

Ratings:

Heater Voltage (ac or dc)	6.3 volts
Heater Current	0.8 amp
Maximum Plate Voltage	300 volts

Typical Operation and Characteristics:

Triode Unit	
Plate Voltage	250 volts
Grid Voltage	-2.0 volts
Amplification Factor	100
Plate Resistance	91000 ohms
Transconductance	1100 umhos
Plate Current	0.8 ma.

Diode Units - Two
Similar to Type 6Q7G or Type 75 Diodes