Tube type 6H7S
A Power Pentode and High-Mu Triode

Heater volts A.C. or D.C.	6.3 volts
Heater Current	0.5 ampere

POWER PENTODE SECTION

Plate voltage (P_2)	250 volts
Screen voltage (G_{22})	250 volts
Suppressor voltage (G_{32})	Internal connec n to cathode
Control Grid voltage (G_{12})	-18.0 volts
Plate current	32 milliamperes
Screen current	6 milliamperes
Plate resistance	70000 ohms
Amplification Factor	150 approximately
Transconductance	2.2 milliamperes per volt
Load Resistance	7600 ohms
Power Output (10% harmonic distortion)	3.4 watts

TRIODE AMPLIFIER SECTION

Plate Voltage (P_1)	250 volts
Control Grid voltage (G_{11})	-1.5 volts
Amplification Factor	100
Plate resistance	0.33 megohms
Transconductance	0.3 milliamperes per volt

Overall Length	4-1/2 to 4-3/4"
Maximum Diameter	1-9/16"
Bulb	ST-12
Cap	Small Metal
Base	Small 7-pin

Pin Arrangement:

Pin 1 - Heater	Pin 5 - Triode Plate (P_1)
Pin 2 - Pentode Plate (P_2)	Pin 6 - Cathode and Suppressor (G_{32})
Pin 3 - Screen Grid (G_{22})	Pin 7 - Heater
Pin 4 - Control Grid (G_{12})	Cap - Control Grid (G_{11})

Note 1: The full spray shield is grounded to the chassis by means of a clip.

Note 2: Triode plate voltage is applied through a 0.5 megohm resistor.

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