

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 (P₂) 250 volts
Screen voltage (G₂₂) 250 volts
Suppressor voltage (G₃₂) Internal connec to cathode
Control Grid voltage (G₁₂) -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 (P₁) 250 volts
Control Grid voltage (G₁₁) -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 2 - Pentode Plate (P₂)
Pin 3 - Screen Grid (G₂₂)
Pin 4 - Control Grid (G₁₂)
Pin 5 - Triode Plate (P₁)
Pin 6 - Cathode and Suppressor (G₃₂)
Pin 7 - Heater
Cap - Control Grid (G₁₁)

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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