

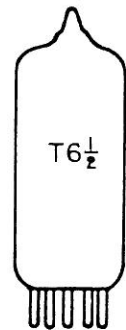
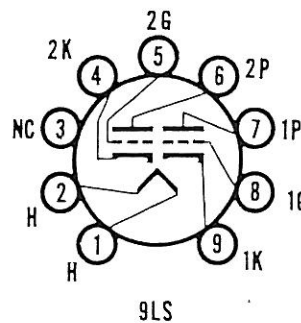
SOVTEK

6EU7

AF AMPLIFIER or PHASE INVERTER

High Mu Twin Triode

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing 9LS
 Outline 6-2
 Maximum Diameter 0.875 In.
 Maximum Seated Height 1.937 In.
 Maximum Overall Height 2.187 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage.....	6.3 Volts
Heater Current	300 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak.....	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak.....	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	Section 1	Section 2
Grid to Plate	1.5	1.5 Pf
Input: g to (h + k)	1.6	1.6 Pf
Output: p to (h + k)	0.2	0.2 Pf

RATINGS (Design Maximum Rating System) (Each Section)

Plate Voltage (Max.)	330 Volts
Plate Dissipation (Max.)	1.2 Watts
Positive Grid Voltage (Max.)	0 Volt
Negative Grid Voltage (Max.)	55 Volts

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier (Each Section)

Plate Voltage	100	250 Volts
Grid Voltage	-1	-2 Volts
Plate Current	0.5	1.2 Ma
Transconductance	1250	1600 μmhos
Amplification Factor	100	100
Plate Resistance.....	80,000	62,500 Ohms
Equivalent Noise and Hum Voltage		
(Referenced to Grid—Each Unit) Average Value ⁽¹⁾ (RMS) ...	—	1.8 μVolts

NOTE:

(1) Measured under the following conditions: $E_f = 6.3$ Vac, center-tap of heater transformer grounded; $E_{bb} = 250$ Vdc; $R_b = 0.1$ Megohm; $R_k = 2700$ Ohms; $C_k = 100$ μf; $R_g = 0$; $F = 25$ to 10,000 Hz.