

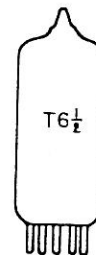
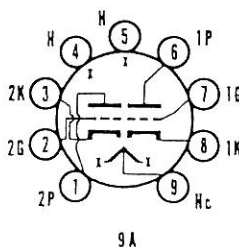
ELECTRO-HARMONIX

12BH7EH

AF VOLTAGE AMPLIFIER

Double Low Mu Triode

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing⁽²⁾ 9A
 Outline 6-3
 Maximum Diameter 0.875 In.
 Maximum Seated Height 2.375 In.
 Maximum Overall Height 2.625 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage.....	12.6/6.3 Volts
Heater Current	300/600 Ma
Heater Warm-up Time ⁽¹⁾	11 Seconds
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 ⁽²⁾	Section 2
Grid to Plate	2.6	2.6 Pf
Input	3.2	3.2 Pf
Output	0.5	0.4 Pf
Plate to Plate		Pf
	0.8	

RATINGS (Design Center Rating System)

Plate Voltage (Max.)	Class A1
Peak Positive Plate Voltage (Abs. Max.)	Amplifier
Plate Dissipation (Each Plate) (Max.)	300 Volts
Peak Negative Pulse Grid Voltage (Max.)	— Volts
Average Cathode Current (Each Section)	3.5 Watts
Peak Cathode Current (Max.)	— Volts
Grid Circuit Resistance	20 Ma
Fixed Bias (Max.)	— Ma
Cathode Bias (Max.)	0.25 Megohm
	1.0 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier

Plate Voltage	250 Volts
Grid Voltage	-10.5 Volts
Plate Current	11.5 Ma
Transconductance	3100 μmhos
Amplification Factor	16.5
Grid Voltage for Ib = 50 μa.....	-23 Volts
Plate Resistance (Approx.)	5300 Ohms