

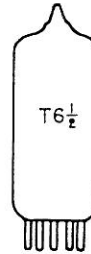
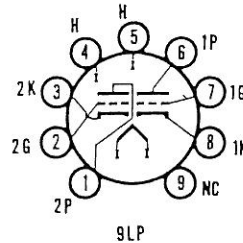
ELECTRO-HARMONIX

6CG7EH

AF VOLTAGE AMPLIFIER

Medium Mu Twin Triodes

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



ELECTRICAL DATA

HEATER OPERATION

	12FQ7	8CG7/8FQ7	6CG7/6FQ7
Heater Voltage.....	12.6	8.4	6.3 Volts
Heater Current	300	450	600 Ma
Heater Warm-up Time	11	11	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 No. 1	Section No. 2
Grid to Plate	3.6	3.8 Pf
Input: g to (h + k)	2.4	2.4 Pf
Output: p to (h + k)	0.34	0.26 Pf
Plate of Section No. 1 to Plate of Section No. 2	1.0	Pf

RATINGS (Design Maximum Rating System)

	Class A1 Amplifier
DC Plate Voltage (Max.)	330
Peak Negative Pulse Grid Voltage (Max.)	—
Positive Grid Voltage (Max.)	0
Plate Dissipation (?)	
Each Plate (Max.).....	4
Both Plates (Max.).....	5.7
Average Cathode Current (Max.).....	22
Peak Cathode Current (Max.)	—
Grid Circuit Resistance	
Fixed Bias (Max.)	1.0
Self Bias (Max.)	—

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage	90	250 Volts
Grid No. 1 Voltage	0	-8 Volts
Plate Current	10	9 Ma
Transconductance	3000	2600 μmhos
Amplification Factor	20	20
Plate Resistance (Approx.)	6700	7700 Ohms
Grid Voltage for Ib = 10 μa (Approx.)	-7	-18 Volts
Plate Current at Ec = -12.5 Vdc.	—	1.3 Ma