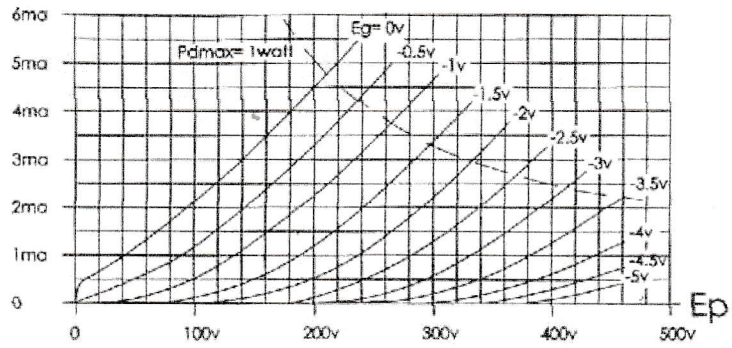
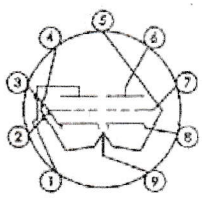
12AX7EH



The 12AX7EH is a dual high mu triode with a spiral filament and special construction to minimize microphonic behavior. Ideal for replacement use in guitar amps and any place low noise and high gain is important.



Pin #	description
1	plate 2
2	grid 2
3	cathode 2
4,5,9	heater
6	plate 1
7	grid 1
8	cathode 1

Electrical Data		
Heater Voltage, not less than		6.0 or 12.0 V
Heater Voltage, not more than		6.6 or 13.2 V
Plate Voltage, not more than		300 V
Heater to Cathode Voltage:		
positive, V not more than		100 V
negative, V not less than		200 V
Plate Current, not more than		9 mA
Plate Dissipation, each triode, not more than		1.0 watts
Maximum grid circuit resitance:		
fixed bias, not more than		1 Mohm
self bias, not more than		2.2 Mohm
Inter-electrode Capacitances:		
C, grid to plate		1.6 pF (triode 1 and 2)
C, grid to cathode and heater		1.6 pF (triode 1 and 2)
C, plate to cathode and heater		0.44 pF (1) and 0.36 (2)
C, cathode to heater		5.0 nF (nominal)
C, plate to plate		520 pF
Measured Electrical minima:		
Grid reverse current, not more than	(see note below)	0.2 uA
Plate current, not less than	(see note below)	0.75 mA
Plate current (Eb= 250V, Ec= -4V)		10 uA
Transconductance, not less than	(see note below)	1.4 mA/V
Amplification Factor, not less than	(see note below)	78
Amplification Factor (nominal)		92
Transconductance (nominal)		1.7 mA/V
Plate Resistance (nominal)		54.1 K OHM
Max Neg. Grid Voltage		55 V
Max Pos. Grid Voltage		0 V
Max Cold Voltage		600 V

NOTE: heater V, 12.6vac; plate V, 250v; grid bias, -2v; grid circuit resistance, 1K ohm

ELECTRO-HARMONIX

12AX7EH

tested by jcm

Drawn by: jcm

Drawing # GT006