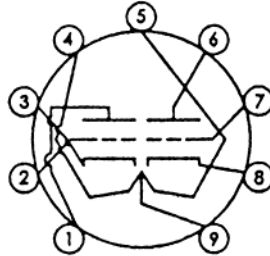
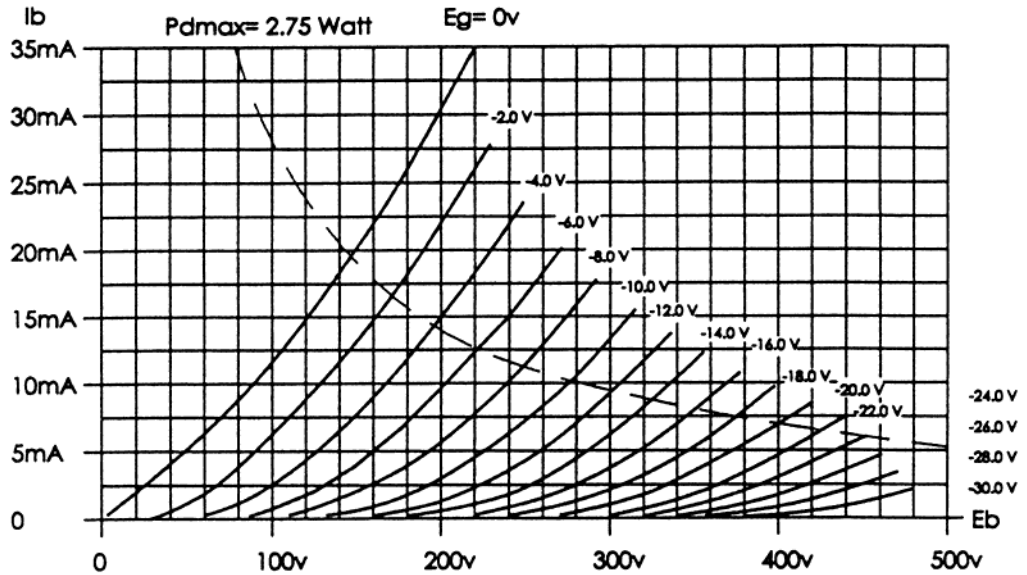


# ELECTRO-HARMONIX

## 12AU7EH



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 Current (nominal)	0.3 A/0.15 A (parallel/series)
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	330 V
Heater to Cathode Voltage:	
positive, V not more than	100 V
negative, V not less than	200 V
Heater Warmup Time	12 seconds
Plate Current, not more than	22 mA
Plate Dissipation, each triode, not more than	2.75 Watts
Maximum grid circuit resistance:	
fixed bias, not more than	1 Mohm
self bias, not more than	2.2 Mohm
Inter-electrode Capacitances:	
C, grid to plate	1.8 pF
C, grid to cathode and heater	2.0 pF
C, plate to cathode and heater	1.5 pF
C, cathode to heater	5.0 nF (nominal)
C, plate to plate	500 pF
Measured Electrical minima:	
Grid reverse current, not more than (see note below)	0.5 $\mu$ A
Plate current, not less than (see note below)	8 mA
Plate current ( $E_b = 250V, E_c = -18V$ )	10 $\mu$ A
Transconductance, not less than (see note below)	2.2 mA/V
Amplification Factor, not less than (see note below)	15
Amplification Factor (nominal)	17
Plate Resistance (nominal)	7.5K Ohms

NOTE: heater V, 12.6vac; plate V, 250v; grid bias, -8.5v; grid circuit resistance, 1K ohm

12AU7EH  
 NEW SENSOR CORP.  
 tested by jcm

Drawing #  
 GT009  
 Drawn by:  
 jcm