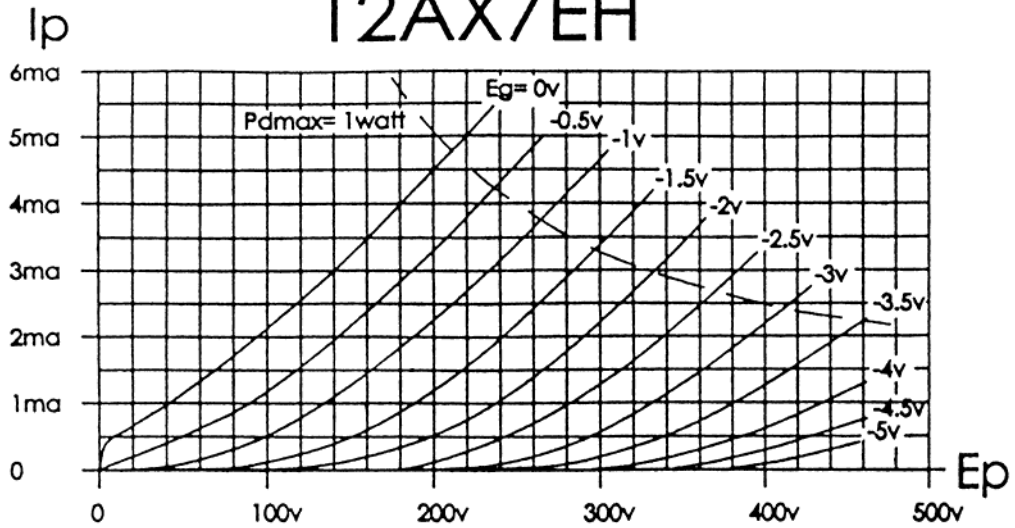
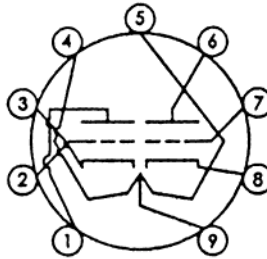


ELECTRO-HARMONIX

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 resistance: | |
| 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

12AX7EH
NEW SENSOR CORP.
tested by jcm

Drawing #
GT006
jcm