



engineering data service

SYLVANIA
12AX7
6AX7

MECHANICAL DATA

Bulb	T-6½
Base	E9-1, Small Button 9-Pin
Outline	6-2
Basing	9A
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

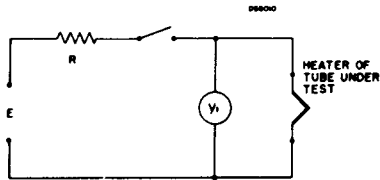
QUICK REFERENCE DATA

The Sylvania Type 12AX7 is a miniature high-mu twin triode having separate cathodes. It is designed for service as an audio voltage amplifier or phase inverter. The center tapped heater of the Type 12AX7 permits operation on 12.6 or 6.3 volts. The 12AX7 is identical to the 6AX7 except for heater characteristics. The 6AX7 employs a 600 Ma

NOTES:

1. *Heater Warm-up Time is defined as the time required in the circuit shown below for the voltage across the heater terminals to increase from zero to the heater test voltage (V_1). The conditions used in conjunction with the test circuit depend upon the rated heater voltage and current of the tube under test.*

For this type: $E = 12.5$ Volts, $R = 15.8$ Ohms, $V_1 = 2.5$ Volts.



E — Applied Voltage, RMS or DC

R — Total Series Resistance

*V_1 — Heater Test Voltage, RMS or DC
(80% Rated Heater Voltage)*

2. *Section No. 1 connects to Pins 6, 7 and 8.
Section No. 2 connects to Pins 1, 2 and 3.*
3. *External shield No. 315 connected to cathode of section under test.*
4. *Controlled Heater Warm-up Time applies to parallel connection only.*

AVERAGE PLATE CHARACTERISTICS

AVERAGE TRANSFER CHARACTERISTICS
EACH SECTION

