

SYLVANIA ELECTRIC

RMA Registration Data

TYPE 5AX4GT

DOUBLE DIODE

MECHANICAL DATA

Style GT
Cathode coated filament
Bulb T-9
Base B5-10, Intermediate Shell Octal 5-Pin
Outline 9-13
Maximum Diameter 1 5/16 inches
Maximum Overall Length 3 3/8 inches
Maximum Seated Height 2 13/16 inches
Mounting Position:
 Vertical base up or down
 Horizontal pins 6 and 8 in vertical plane
Basing 5T
Pin Connections:
 Pin 1 .. no connection Pin 6 .. plate #1
 Pin 2 .. filament Pin 8 .. filament
 Pin 4 .. plate #2

ELECTRICAL DATA

GENERAL

Filament Voltage (ac or dc) 5.0 volts
Filament Current 2.5 amps

RATINGS -- Design Center System

Maximum Plate Supply Voltage (ac) (each plate):
 Capacitor Input 350 volts
 Choke Input 500 volts
Maximum Peak Inverse Plate Voltage 1,400 volts
Maximum Peak Plate Current (each plate):
 Steady State 525 milliamps
 Transient 3.5 amps
Maximum Output Current (dc) 175 milliamps

CHARACTERISTICS

Tube Voltage Drop, with 175 milliamps
 Plate Current (dc) (each plate) 65 volts

TYPICAL OPERATION -- Full Wave Rectifier

<i>Input to Filter</i>	<u>Capacitor</u>	<u>Choke</u>
Filament Voltage	5.0	5.0 volts
Plate Supply Voltage (ac) (each plate)	350	500 volts
Filter Input Capacitance	10	--- microfarads
Filter Input Inductance	---	10 henrys
Effective Plate Supply Impedance (each plate)	50	--- ohms
Output Current (dc)	175	175 milliamps
Output Voltage (dc)	330	375 volts