

SYLVANIA ELECTRIC

RTMA Registration Data

TYPE 6AD4

HIGH MU TRIODE

from RMA release #773A,
January 29, 1951

MECHANICAL DATA

Style..... subminiature
Cathode..... coated, unipotential
Bulb..... T-3
Base..... K8-1⁽¹⁾, Subminiature Button--Flexible Leads
Outline..... 3-1
Maximum Bulb Diameter..... 0.400 inch
Maximum Overall Bulb Length..... 1.375 inches
Minimum Lead Length..... 1.500 inches
Mounting Position..... any
Basing..... 8DK

Lead Connections:

Lead 1 .. grid	Lead 5 .. cathode
Lead 2 .. no connection	Lead 6 .. heater
Lead 3 .. heater	Lead 7 .. no connection
Lead 4 .. no connection	Lead 8 .. plate

ELECTRICAL DATA

GENERAL

Direct Interelectrode Capacitances:

	<u>Shielded⁽²⁾</u>	<u>Not Shielded</u>
Grid to Plate.....	0.7	0.8 μ f
Input.....	1.9	1.7 μ f
Output.....	2.2	0.7 μ f

Heater Voltage.....	6.3 volts
Heater Current.....	150 milliamps

RATINGS -- Design Center Values

Heater Voltage (ac or dc).....	6.3 ($\pm 10\%$)	volts
Maximum Plate Voltage.....	150	volts
Maximum Plate Dissipation.....	0.3	watt
Maximum Heater-Cathode Voltage.....	90	volts
Maximum Cathode Current.....	2	milliamps
Maximum Grid Circuit Resistance (self bias)..	1	megohm

(1) With 1,500 inches minimum lead length as specified above.

(2) External shield of 0.405 inch diameter connected to cathode.

TYPE 6AD4

CHARACTERISTICS

Conditions:

Heater Voltage.....	6.3	volts
Plate Voltage (dc).....	100	volts
Cathode Resistor.....	820	ohms
Plate Current.....	1.4	milliamps
Transconductance.....	2,000	μ mhos
Amplification Factor.....	70	
Plate Resistance.....	35,000	ohms
Grid Voltage for 10 μ amps Plate Current.....	-3.0	volts