

MECHANICAL DATA

Bulb	T-5 1/2
Base	E7-1, Miniature Button 7-Pin
Outline	5-2
Basing	7BF
Cathode	Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	450 Ma
Heater-Cathode Voltage (Absolute Values)	
Heater Negative with Respect to Cathode	90 Volts Max.
Heater Positive with Respect to Cathode	90 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES
(Unshielded—Approx.) Each Unit

Grid to Plate	1.3 μ f
Grid to Cathode and Heater	2.1 μ f
Plate to Cathode and Heater	0.4 μ f
Grid of Unit No. 1 to Grid of Unit No. 2	0.4 μ f Max.

RATINGS (Absolute Values)—Each Unit

Plate Voltage	250 Volts Max.
Grid Voltage	
Negative Bias Value	100 Volts Max.
Positive Bias Value	0 Volts Max.
Peak Negative Value	200 Volts Max.
Plate Dissipation	1.5 Watts Max.
Grid Input	0.1 Watt Max.
DC Cathode Current ¹	15 Ma Max.
Peak Cathode Current ¹	75 Ma Max.
Grid Circuit Resistance	
Fixed Bias	0.5 Megohm Max.
Self Bias	1.0 Megohm Max.
Bulb Temperature (Hottest Point on Bulb Surface)	150° C Max.

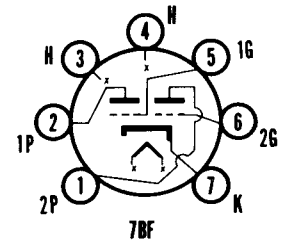
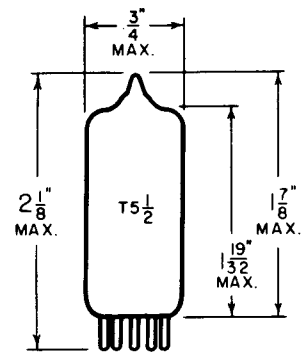
CHARACTERISTICS AND TYPICAL OPERATION

Each Unit, With Both Units Operating

Plate Voltage	100 Volts
Cathode Bias Resistor ²	50 Ohms
Amplification Factor	39
Plate Resistance	6500 Ohms
Transconductance	6000 μ mhos
Plate Current	9.5 Ma

QUICK REFERENCE DATA

The Sylvania Type 5964 is a miniature medium-mu dual triode having a common cathode. The type is designed for long life computer service.



SYLVANIA ELECTRIC PRODUCTS INC.

**RADIO TUBE DIVISION
EMPORIUM, PA.**

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Computer Service

	Cutoff Condition	Zero Bias Condition
Plate Supply Voltage	150	150 Volts
Plate Circuit Resistance	20000	20000 Ohms
Grid Supply Voltage	-10	0 Volts
Grid Circuit Resistance	47000	47000 Ohms
Plate Current	0	5 Ma

NOTES:

1. *With both units operating, the dc cathode current should not exceed 30 milliamperes and the peak cathode current should not exceed 150 milliamperes.*
2. *Common to both units.*

AVERAGE PLATE CHARACTERISTICS

