TECHNICAL DATA

5645

Sylvania

TYPE 5645

MEDIUM MU TRIODE

TENTATIVE RATINGS

Heater Voltage AC or DC ±10%	6.3	Volts
Max. Plate Voltage	150	Volts
Max. Plate Dissipation	1.0	Watt
Max. Heater-Cathode Voltage	90	Volts

Direct Interelectrode Capacitances:

	Shielded*	Unshielded	
Grid to Plate	1.70	1.60	mmf.
Input	2.20	2.00	mmf.
Output	3.00	1.00	mmf.

*With a 0.315" diameter shield connected to cathode.

PHYSICAL SPECIFICATIONS

Style	Subminiature
Bulb	T2
Base	Flexible Leads
Dimensions	See outline
Mounting Position	Any

LEAD CONNECTIONS

As per outline

TYPICAL OPERATING CONDITIONS
Class A Amplifier

Heater Voltage	6.3	Volts
Heater Current	150	Ma.
Plate Voltage	100	Volts
Cathode Bias Resistor**	560	Ohms
Plate Current	5.0	Ma.
Transconductance	2700	umhos
Plate Resistance	7400	Ohms
Amplification Factor	20	
Grid Voltage for 10 ua. Plate Current (Approx.)	-20	Volts

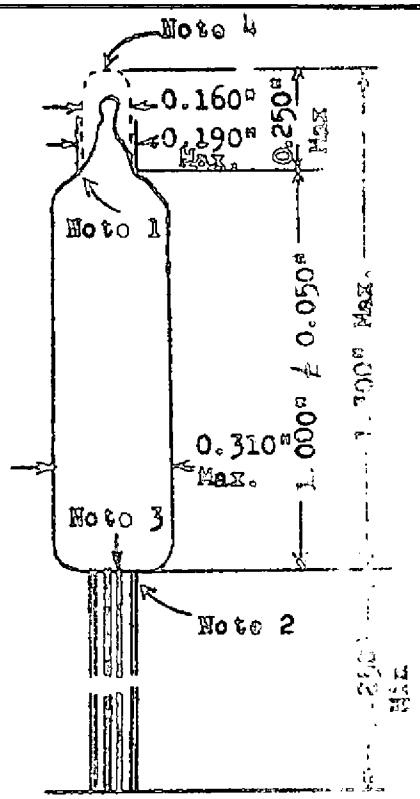
**Provides an operating bias of approximately 2.8 volts.
Maximum grid circuit resistance should not exceed 1.0 megohm.

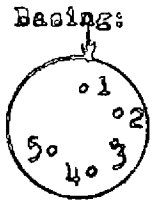
CIRCUIT APPLICATION

Sylvania Type 5645 is a subminiature medium mu triode designed for use in compact, light-weight equipment.

When circuit requirements do not permit the use of self bias, fixed bias may be used but the maximum grid circuit resistance in this case should not exceed 0.25 megohm.

Notes:
1. Reference diameter from which tip and bulb lengths are determined.
2. Avoid soldering leads closer than ⅛" from glass.
3. Arrow indicates position of plate lead.
4. All tips lie within dotted outline.
5. Avoid bending leads closer than 0.060" from glass.





Bottom View of Base

Basing: 1 - Plate
2 - Cathode
3 - Heater
4 - Grid
5 - Heater

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SYLVANIA ELECTRIC PRODUCTS INC.
Emporium, Pennsylvania

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