

TECHNICAL DATA

531

from RMA release # 639,
Feb. 25, 1948

Sylvania

TYPE 5634

SHARP CUT-OFF R.F. PENTODE

TENTATIVE RATINGS

Heater Voltage AC or DC $\pm 10\%$	6.3	Volts
Max. Plate Voltage	150	Volts
Max. Screen Voltage	140	Volts
Max. Plate Dissipation	0.8	Watt
Max. Screen Dissipation	0.3	Watt
Max. Heater Cathode Voltage	90	Volts

Direct Inter-electrode Capacitances:

	Shielded*	Unshielded
Grid to Plate	0.01 Max.	0.015 uuf. Max.
Input	4.4	4.4 uuf.
Output	2.8	2.2 uuf.

*With a 0.405" diameter shield connected to cathode.

TYPICAL OPERATING CONDITIONS

Heater Voltage	6.3	Volts
Heater Current	150	Ma.
Plate Voltage	100	Volts
Screen Voltage	100	Volts
Suppressor Voltage	0	Volt
Cathode Bias Resistor**	150	Ohms
Plate Current	6.5	Ma.
Screen Current	2.5	Ma.
Transconductance	3500	umhos
Plate Resistance (approx)	240,000	Ohms
Grid Volts for 10 ua. Plate Current (approx)	-10	Volts

**Provides an operating bias of approximately 1.35 volts.

Maximum grid circuit resistance should not exceed 1.0 megohm.

CIRCUIT APPLICATION

Sylvania Type 5634 is a double-ended construction sharp cut-off RF pentode of the subminiature design. It is suitable for high frequency amplifiers where gain and high input impedance are important factors. The flexible leads permit the tube to be wired directly to circuit components, thereby minimizing high frequency long lead and base losses. When circuit requirements make fixed bias necessary the grid resistance should not exceed 1/4 megohm.

Notes:

1. Reference diameter from which tip and bulb lengths are determined.
2. Avoid soldering leads closer than 1/8" from glass.
3. Arrow indicates position of cathode lead.
4. All tips lie within dotted outline.
5. On top lead do not solder closer than 1/8" from glass.
6. Avoid bonding leads closer than 0.060" from glass.

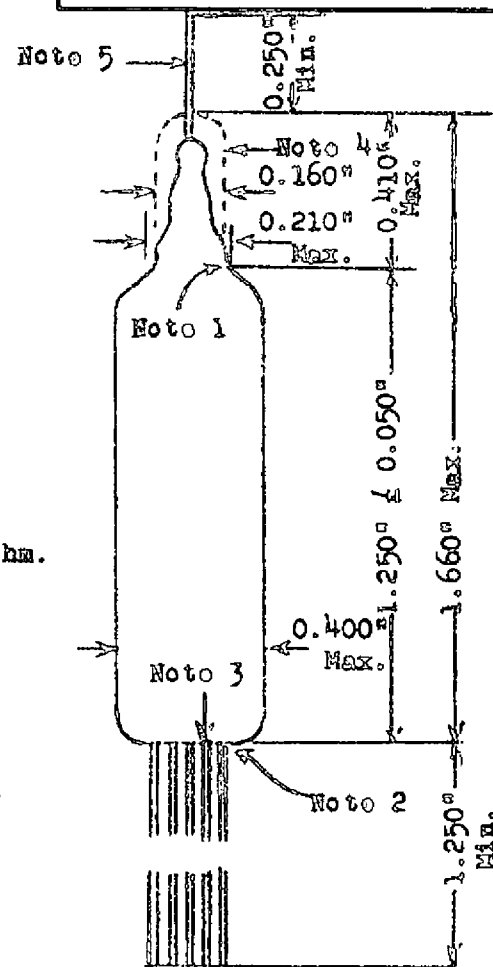
Bottom View
of Base

PHYSICAL SPECIFICATIONS

Style	Subminiature
Bulb	T-3
Base	Flexible Leads
Dimensions	See Outline
Mounting Position	Any

LEAD CONNECTIONS

as per outline



- Basings:
- 1 - Cathode & Shield
 - 2 - Suppressor
 - 3 - Grid
 - 4 - Heater
 - 5 - Screen
 - 6 - Heater
- Top Lead - Plate

2/10/48

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