

Sylvania

TYPE 1H4GT
LOW MU TRIODE

RATINGS

Filament Voltage DC	2.0	Volts
Filament Current	60	Ma.
Maximum Plate Voltage	180	Volts
Maximum Peak Plate Current	50	Ma.

*Horizontal operation permitted if pins 2 and 7 are in vertical plane.

TYPICAL OPERATING CONDITIONS

Class A Amplifier

Filament Voltage	2.0	2.0	2.0	Volts
Filament Current	60	60	60	Ma.
Plate Voltage	90	135	180	Volts
Grid Voltage [Ⓢ]	-4.5	-9.0	-13.5	Volts
Amplification Factor	9.3	9.3	9.3	
Plate Resistance	11,000	10,300	10,300	Ohms
Transconductance	850	900	900	μmhos
Plate Current	2.5	3.0	3.1	Ma.

[Ⓢ]The DC resistance in the grid circuit should not exceed 2 megohms.

Class B Amplifier (2 Tubes)

Plate Voltage	157.5	Volts
Grid Voltage	-15	Volts
Plate Current (Zero Signal)	1.0	Ma.
Load Resistance (Plate to Plate)	8000	Ohms
Maximum Input Power	260	Mw.
Power Output [*]	2.1	Watts
Total Distortion (Approx.)	6	%

*Obtained by use of a Type 1H4GT transformer coupled driver having 157.5 volts. plate supply and -11.3 volts grid bias. Plate load is 18,000 ohms. Transformer ratio primary to half secondary is 1.165.

Biased Detector[Ⓢ]

Plate Voltage	90	135	180	Volts
Grid Voltage	-9.0	-13.5	-18.0	Volts
Plate Current (No Signal)	Adjust to 0.2 Ma.			

[Ⓢ]May also be used as a grid leak detector with 45 volts plate supply and 1 to 5 megohms grid leak with grid return to + Filament.

CIRCUIT APPLICATION

Sylvania Type 1H4GT is the same as the well known Type 1H4G, except for the smaller GT bulb. Electrical characteristics are the same as those for Type 30.

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COMMERCIAL ENGINEERING DEPARTMENT
Sylvania Electric Products Inc., Emporium, Pennsylvania

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PHYSICAL SPECIFICATIONS

Style	GT
Base	Intermediate Shell 7-Pin
Bulb	T9
Diameter	1 5/16" Max.
Overall Length	3 5/16" Max.
Seated Height	2 3/4" Max.
Mounting Position	Vertical*

BASE PIN CONNECTIONS

Pin 1	- No Connection
Pin 2	- + Filament
Pin 3	- Plate
Pin 4	- No Connection
Pin 5	- Grid
Pin 6	- Omitted
Pin 7	- - Filament
Pin 8	- No Connection

RMA Basing 5S-0-0