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.

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

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.

from RMA release #623, Dec. 1, 1947