from RMA release #126, Jan. 17, 1938

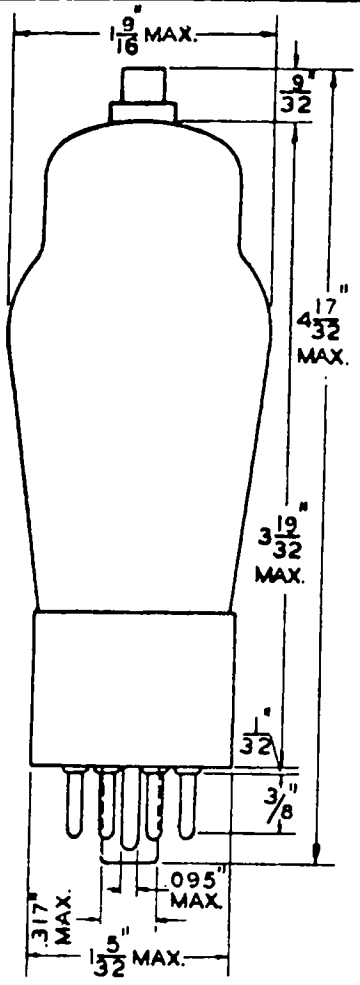
Hygrade Sylvania CORPORATION

TECHNICAL DATA

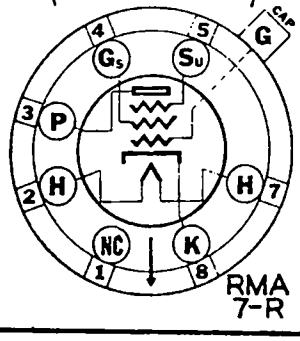
SYLVANIA TYPE 6W7G

Triple Grid Amplifier

SYLVANIA
6W7G



TUBE AND BASE DIAGRAM
(BOTTOM VIEW)



RMA 7-R

CHARACTERISTICS

Heater Voltage AC or DC	6.3	Volts
Heater Current	0.150	Ampere
Direct Interelectrode Capacitances:		
Grid to Plate	.007	μμF. Max.
Input	4.0	μμF.
Output	5.5	μμF.

OPERATING CONDITIONS AND CHARACTERISTICS

Heater Voltage	6.3	Volts
Plate Voltage	250	Volts Max.
Grid Voltage	-3	Volts
Screen Voltage	100	Volts Max.
Suppressor	Tie to Cathode	
Plate Current	2.0	Ma.
Screen Current	0.5	Ma.
Plate Resistance	1.5	Megohms Approx.
Mutual Conductance	1225	μmhos
Amplification Factor	1850	Approx.

OPERATING CONDITIONS AS BIASED DETECTOR

Heater Voltage	6.3	Volts
Plate Voltage	250	Volts Max.
Grid Voltage	-4.3	Volts Approx.
Screen Voltage	100	Volts Max.

Plate Load: 250,000 ohms resistor or 500 h. choke shunted by 0.25 megohm. For resistance load, maximum plate supply voltage will be 250 volts plus voltage drop in load resistor.

CIRCUIT APPLICATION

Sylvania Type 6W7G is a sharp cut-off pentode amplifier in which the heater current rating is only 0.150 ampere. Its characteristics are similar to those of Type 6J7G so that it may be used in similar circuit applications.

This type may be used in a-c or d-c operated receivers, but is not recommended for automotive service. Wherever direct connection is not feasible the voltage between heater and cathode should be kept as low as possible.