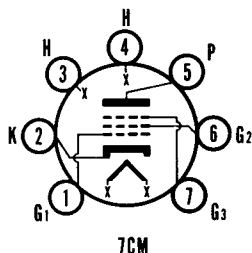




SYLVANIA TYPES 6GM6 4GM6 5GM6



MECHANICAL DATA

Bulb.....	T-5 1/2
Base.....	E7-1, Miniature Button 7-Pin
Outline.....	5-2
Basing.....	7CM
Cathode.....	Coated Unipotential
Mounting Position.....	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

	4GM6	5GM6	6GM6
Heater Voltage.....	4.2	5.6	6.3 Volts
Heater Current.....	600	450	400 Ma
Heater Warm-up Time.....	11	11	— Seconds
Heater-Cathode Voltage (Design Maximum Values)			
Heater Negative with Respect to Cathode			
Total D C and Peak.....			200 Volts Max.
Heater Positive with Respect to Cathode			
D C.....			100 Volts Max.
Total D C and Peak.....			200 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES

	Unshielded
Grid No. 1 to Plate.....	.036 μ f Max.
Input: g1 to (h + k + g2 + g3 + I.S.).....	10.0 μ f
Output: p to (h + k + g2 + g3 + I.S.).....	2.4 μ f

RATINGS (Design Maximum Values)

Plate Voltage.....	330 Volts Max.
Grid No. 2 Supply Voltage.....	330 Volts Max.
Grid No. 2 Voltage.....	See 6AM8 Rating Chart
Positive Grid No. 1 Voltage.....	0 Volts Max.
Plate Dissipation.....	3.1 Watts Max.
Grid No. 2 Input.....	0.65 Watts Max.

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier	
Plate Voltage.....	125 Volts
Grid No. 3.....	Tied to Cathode
Grid No. 2 Voltage.....	125 Volts
Cathode Bias Resistor.....	56 Ohms
Plate Current.....	14 Ma
Grid No. 2 Current.....	3.4 Ma
Transconductance.....	13,000 μ mhos
Plate Resistance (approx.).....	0.2 Megohm
Ec1 for Gm = 60 μ mhos (approx.).....	-15 Volts

APPLICATION

The Sylvania Type 6GM6, 4GM6 and 5GM6 are miniature high transconductance semi-remote pentodes designed for service as IF amplifiers. Types 4GM6 and 5GM6 are designed for series string operation.

SYLVANIA
TYPES

6GM6, 4GM6, 5GM6 (Cont'd)

AVERAGE TRANSFER CHARACTERISTICS

