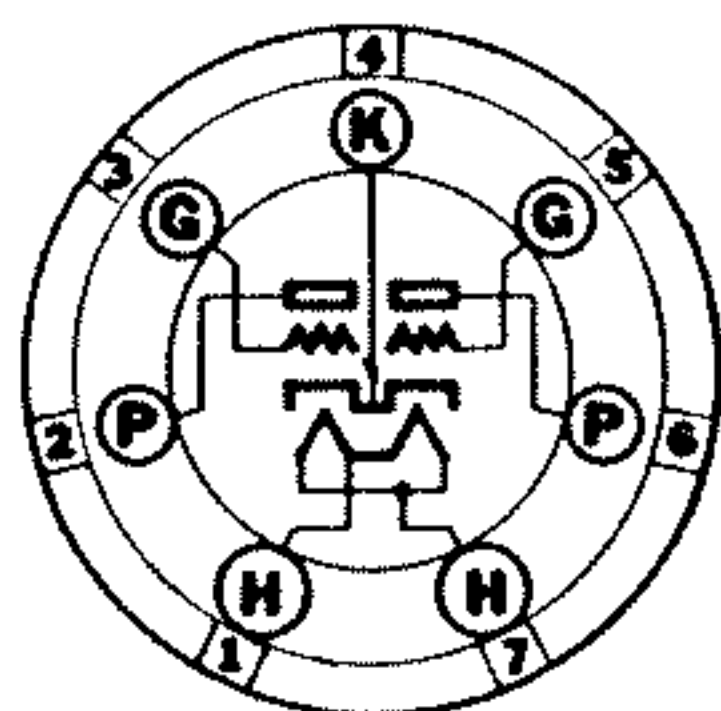


# 6E6 Sylvania Type

DUO TRIODE POWER AMPLIFIER



7B-0-0

## PHYSICAL SPECIFICATIONS

Base.....	Medium 7 Pin
Bulb.....	ST14
Maximum Overall Length.....	4 11/16"
Maximum Seated Height.....	4 1/16"
Mounting Position.....	Any

## TYPICAL OPERATION

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.60	0.60 Ampere
Plate Voltage.....	180	250 Volts
Grid Voltage.....	-20	-27.5 Volts
Plate Current*.....	11.5	18.0 Ma.
Mutual Conductance*.....	1400	1700 μmhos
Amplification Factor.....	6	6
Plate Resistance*.....	4300	3500 Ohms
Load Resistance †.....	15000	14000 Ohms
Power Output ‡.....	0.75	1.6 Watts
Maximum Heater-Cathode Voltage.....	90	90 Volts

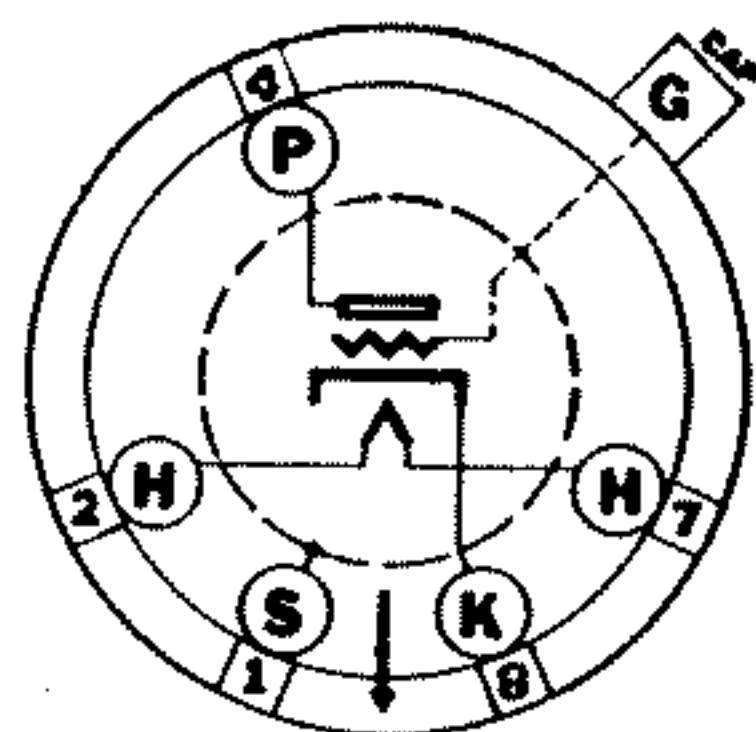
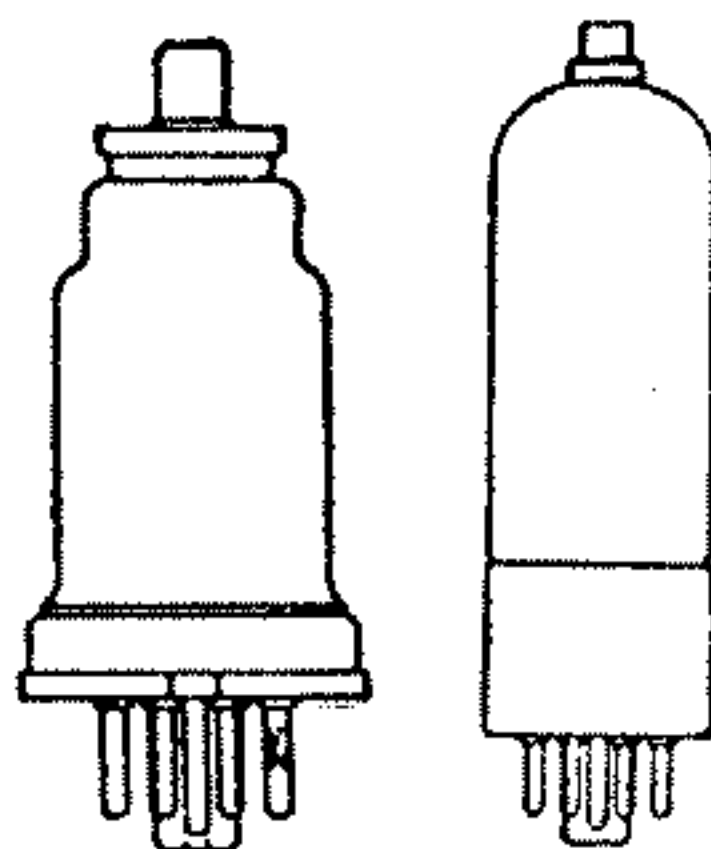
\*For each plate. †Plate to plate. ‡Total for both sections.

## APPLICATION

Type 6E6 is designed for Class A service in either push-pull or parallel circuits and is especially intended for use in automobile receivers having over-head speakers. This method of installation does not require as much power as is the case for sets mounted under the dash. This tube may also find application in some small a-c operated receivers where the power output required is not especially high.

# 6F5GT Sylvania Type

HIGH-MU TRIODE  
LOCK-IN EQUIVALENT 7B4



5M-1-0 (6F5)  
5M-0-0 (6F5GT)

## PHYSICAL SPECIFICATIONS

	6F5	6F5GT
Base.....	Small Wafer Octal 5 Pin	Intermediate Octal 5 Pin
Bulb.....	8-4	T-9
Cap.....	Miniature	Miniature
Maximum Overall Length....	3 1/8"	3 5/16"
Maximum Seated Height....	2 9/16"	2 3/4"
Mounting Position.....	Any	Any

## TYPICAL OPERATION

### CLASS A AMPLIFIER

Heater Voltage.....	6.3 Volts
Heater Current.....	0.30 Ampere
Plate Voltage.....	250 Volts Max.
Grid Voltage*.....	-2 Volts
Plate Current*.....	0.9 Ma.
Plate Resistance.....	66000 Ohms
Mutual Conductance.....	1500 μmhos
Amplification Factor.....	100
Heater-Cathode Voltage.....	90 Volts Max.

\*These are rating values only and not operating points with coupling resistor.

## APPLICATION

Sylvania 6F5 and 6F5G are high-mu triode a-f amplifiers, quite similar to the triode section of the Type 75 but having improved characteristics. The tabulated ratings and characteristics show a lower plate impedance and a higher mutual conductance than for Type 75. All three types have the same amplification factor.

For resistance coupled circuits use data given for type 7B4.