



Sylvania

TYPE 6E6

DOUBLE TRIODE POWER AMPLIFIER

CHARACTERISTICS

Heater Voltage AC or DC	6.3 Volts
Heater Current	0.6 Ampere
Maximum Over-all Length	4 1/4"
Maximum Diameter	1 1/4"
Bulb	ST-14
Base—Medium 7-Pin	7-B

Operating Conditions and Characteristics:

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

*For each plate.

†Plate to plate.

‡Total for both sections.

CIRCUIT APPLICATION

Sylvania 6E6 is a duplex triode power amplifier of the heater cathode type having a 6.3 volt, 0.6 ampere rating. It consists of two low-mu output triodes in one bulb. The triode units have separate external terminals for all electrodes except the cathodes and heaters, which permit operation either in parallel or push-pull.

Type 6E6 is designed for Class A service 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.