

# Sylvania TYPE 26 TRIODE AMPLIFIER



## CHARACTERISTICS

Filament Voltage AC . . . . .	1.5 Volts
Filament Current . . . . .	1.05 Amperes

### Direct Interelectrode Capacitances:

Grid to Plate . . . . .	8.1 $\mu\text{f}$
Input . . . . .	2.8 $\mu\text{f}$
Output . . . . .	2.5 $\mu\text{f}$
Maximum Over-all Length . . . . .	4 $\frac{11}{16}$ "
Maximum Diameter . . . . .	1 $\frac{3}{16}$ "
Bulb . . . . .	ST-14
Base—Medium 4-Pin . . . . .	4-D

### Operating Conditions and Characteristics:

Filament Voltage . . . . .	1.5	1.5	1.5 Volts
Plate Voltage . . . . .	90	135	180 Volts Max.
Grid Voltage* . . . . .	-7	-10	-14.5 Volts
Plate Current . . . . .	2.9	5.5	6.2 Ma.
Plate Resistance . . . . .	8900	7600	7300 Ohms
Mutual Conductance . . . . .	935	1100	1150 $\mu\text{mhos}$
Amplification Factor . . . . .	8.3	8.3	8.3

\*Grid volts measured from mid-point of a-c operated filament.

## CIRCUIT APPLICATION

Sylvania 26 is intended for use in radio or audio frequency stages of a-c operated receivers which employ the 27 as a detector. This tube should not be used as a detector tube.

The filament of the 26 has been especially chosen to operate at a low voltage to decrease the voltage drop along the filament. The filament is of the oxide coated type and is arranged in the form of an inverted "V" as in the 01A tube.

The filament rating is 1.05 amperes at 1.5 volts.

The 26 has been designed to give about the same performance as the 01A. It is absolutely necessary to apply a grid bias to these tubes. This bias must be applied between the grid and the electrical center of the filament in order to prevent hum. With proper bias the ripple will be very small. It may be wise to return the grid bias to the movable arm of a low resistance potentiometer which is connected across the filament winding of the transformer, so that tube changes or circuit variations may be readily accommodated.