Sylvania

TYPE 10

POWER AMPLIFIER





CHARACTERISTICS

Filament Voltage							7.5 Volts
Filament Current						•	1.25 Amperes

Direct Interelectrode Capacitances:

Grid to Plate									7	μμf
Input									4	μμί .
Output									3	μμί
Maximum Over-										
Maximum Diame										
Bulb										ST-16 °
Base-Medium 4	-Pin							. /		4-D

Operating Conditions and Characteristics:

Filament Voltage					. 7.5	7.5	7.5	Volts	
Plate Voltage .						350		Volts	
Grid Voltage* .					-23.5	-32		Volts	
Plate Current .					. 10	16	18	Ma.	
Plate Resistance					. 6000	5150	5000	Ohms	
Mutual Conducta	nce				. 1330	1550	1600	µmhos	
Amplification Fac	tor				. 8	8	8		
Load Resistance					13000	11000	10200	Ohms	
Power Output .					. 0.4	0.9	1.6	Watts	
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CIRCUIT APPLICATION

Sylvania 10 is a triode power amplifier having an amplification factor of 8. This is considerably higher than normal for power amplifier triodes, and accounts for its popularity as an oscillator.

This tube should be operated with plate voltages of at least 250 volts and appropriate grid bias. Type 10 may be employed in audio stages, either singly or in push-pull arrangement as a Class A or Class B amplifier. Under the latter condition the tubes should be biased so that the no signal plate current is reduced to a low value.

As an oscillator tube Type 10 is used extensively in transmitters and in other similar equipment.