Hygrade Sylvania

TECHNICAL DATA

SYLVANIA TYPE 1E4G

Triode

RATINGS AND CHARACTERISTICS

Filament Voltage	(Nominal)	1.4	Volts
Filament Current	(Nominal)	0.05	Ampere

Direct Interelectrode Capacitances:

C _{g-p}	2.4	μμΕ
C _{g-f}	2.4	μμΕ
C _P -f	6.0	μμΕ

OPERATING CONDITIONS AND CHARACTERISTICS

Filament Voltage	1.4	1.4	Volts
Plate Voltage	90	90	Volts
Grid Voltage*	0	-3	Volts
Plate Current	4.5	1.5	Ma.
Plate Resistance	11,000	17,000	Ohms
Mutual Conductance	1325	825	μ mhos
Amplification Factor	14.5	14	

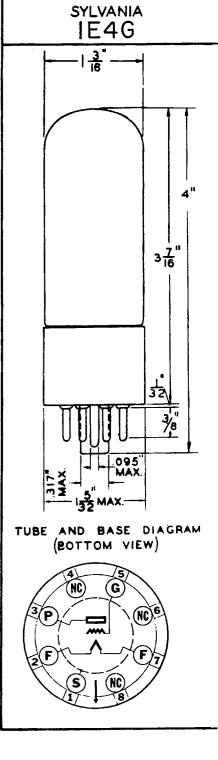
^{*}Negative Filament Return Pin No. 7.

CIRCUIT APPLICATION

Sylvania Type 1E4G is a new general purpose triode designed for use in low drain battery operated receivers. The electrical characteristics make it especially desirable for use as an oscillator.

The filament is rated at a nominal voltage of 1.4 volts and 50 milliamperes. However, the tube may be operated

directly from a suitable 1.5 volt dry battery without the use of a ballast tube, since the design provides satisfactory performance over the useful voltage range normally encountered during the life of the battery. Other forms of A batteries are applicable if the proper circuit arrangements are provided. The grid return should be made to the negative filament terminal.



RMA RELEASE #160A

HYGRADE SYLVANIA CORPORATION

TECHNICAL DATA

SYLVANIA TYPE IELG

General Purpose Triode

Physical Specifications

Base Bulb Maximum Diameter Maximum Overall Length Maximum Seated Height	S _{mal}	1 Octal 19-1 1 5, 4" 3 7,	/32"
Mounting Position		Any	
Base Connections Pin #1 - No Connection #2 - Filament #3 - Plate #4 - No Connection RATINGS	RMA B #5 - Grid #6 - No Connection #7 - Filament #8 - No Connection	n	No. 5S-0-0
Direct Interelectrode Capacitan Grid to Plate Input (Grid to Filamen Output (Plate to Filam * With RMA tube shield negative filament.	nt) ment)		uuf. uuf. uuf.
Maximum Filament Voltage Battery Operation-Volt AC/DC Power Line Opera Maximum Plate Voltage	tage nust never exceed ation-Design Center	1.6 1.3 110	DC Volts Volts Volts
Operating Conditions and Charac	cteristics		
Filament Voltage Filament Current Plate Voltage Grid Voltage ** Plate Current	90 0 4•5	1.4 0.050 90 -3 1.4	Ampere Volts Volts
Plate Resistance Transconductance Amplification Factor	11200 1300 14•5	19000 760 14.5	Ohms

** Negative Filament Return Pin No. 7