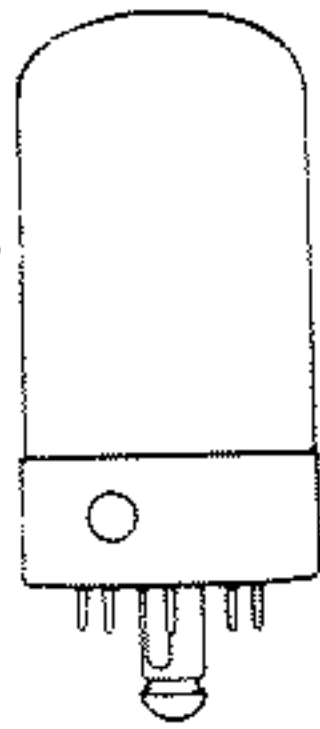


8W-L-7



Sylvania Type 7E6

DUODIODE MEDIUM-MU TRIODE

GT EQUIVALENT 6SR7GT

PHYSICAL SPECIFICATIONS

Base.....	Lock-In 8 Pin
Bulb.....	T9
Maximum Overall Length.....	2 ²⁵ / ₃₂ "
Maximum Seated Height.....	2 ¹ / ₄ "
Mounting Position.....	Any

RATINGS

Heater Voltage AC or DC (Nominal).....	7.0 Volts
Heater Current.....	0.32 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Plate Dissipation.....	2.5 Watts
Maximum Diode Drop at .8 Ma.....	10 Volts
Maximum Continuous Diode Current per Plate.....	1.0 Ma.
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate.....	1.5 μ f.
Input.....	3.0 μ f.
Output.....	2.4 μ f.
Grid to Diode 1.....	0.01 μ f. Max.
Grid to Diode 2.....	0.04 μ f. Max.

*With 1⁵/₁₆" diameter shield (RMA Std. M8-308) connected to cathode.

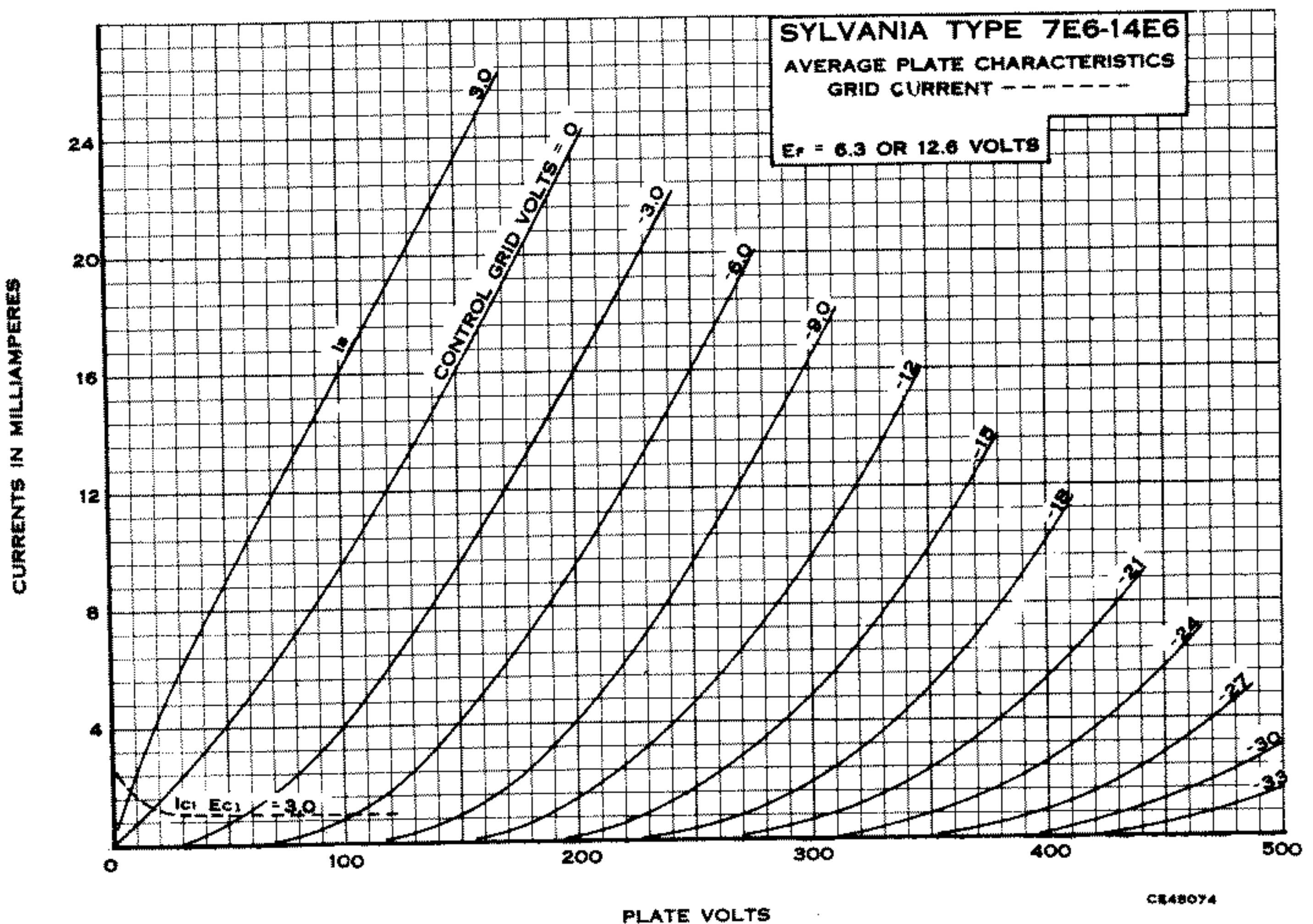
TYPICAL OPERATION

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.3	0.3 Ampere
Plate Voltage.....	100	250 Volts
Grid Voltage§.....	-3	-9 Volts
Self-Bias Resistor.....	770	950 Ohms
Plate Current.....	3.9	9.5 Ma.
Plate Resistance.....	11000	8500 Ohms
Mutual Conductance.....	1500	1900 μ mhos
Amplification Factor.....	16.5	16

§DC resistance in the grid circuit should not exceed 1.0 megohm under maximum rated conditions.

APPLICATION

Sylvania Type 7E6 is a Lock-In duodiode triode having medium-mu characteristics. It is intended for use in conjunction with transformer coupled circuits although resistance coupling data are given on Page 52. The diode section is the same as that in Type 7B6 and reference should be made to that type for curves.



7E6 (Cont.)

