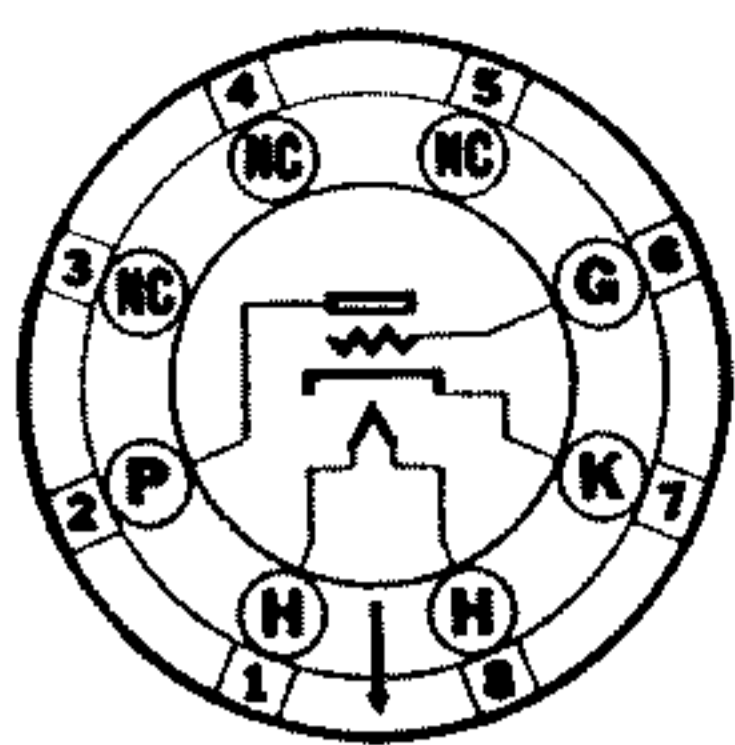


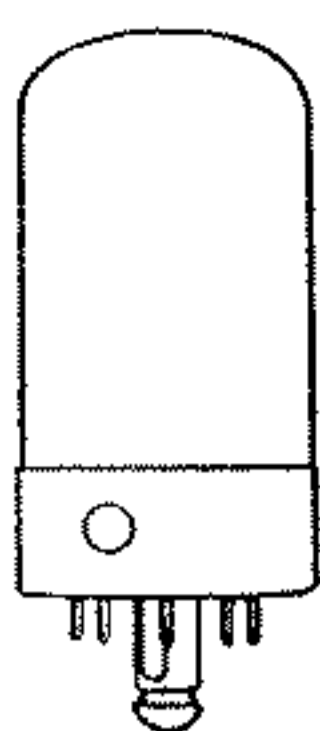
Sylvania Type 7B4

HIGH-MU TRIODE

GT EQUIVALENT 6SF5GT



5AC-L-0



PHYSICAL SPECIFICATIONS

Base.....	Lock-In 8 Pin
Bulb.....	T-9
Maximum Overall Length.....	2 ²⁵ / ₃₂ "
Maximum Seated Height.....	2 1/4"
Mounting Position.....	Any

RATINGS

Heater Voltage (Nominal) AC or DC.....	7.0 Volts
Heater Current (Nominal).....	0.32 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Heater-Cathode Voltage.....	90 Volts

TYPICAL OPERATION

CLASS A₁ AMPLIFIER

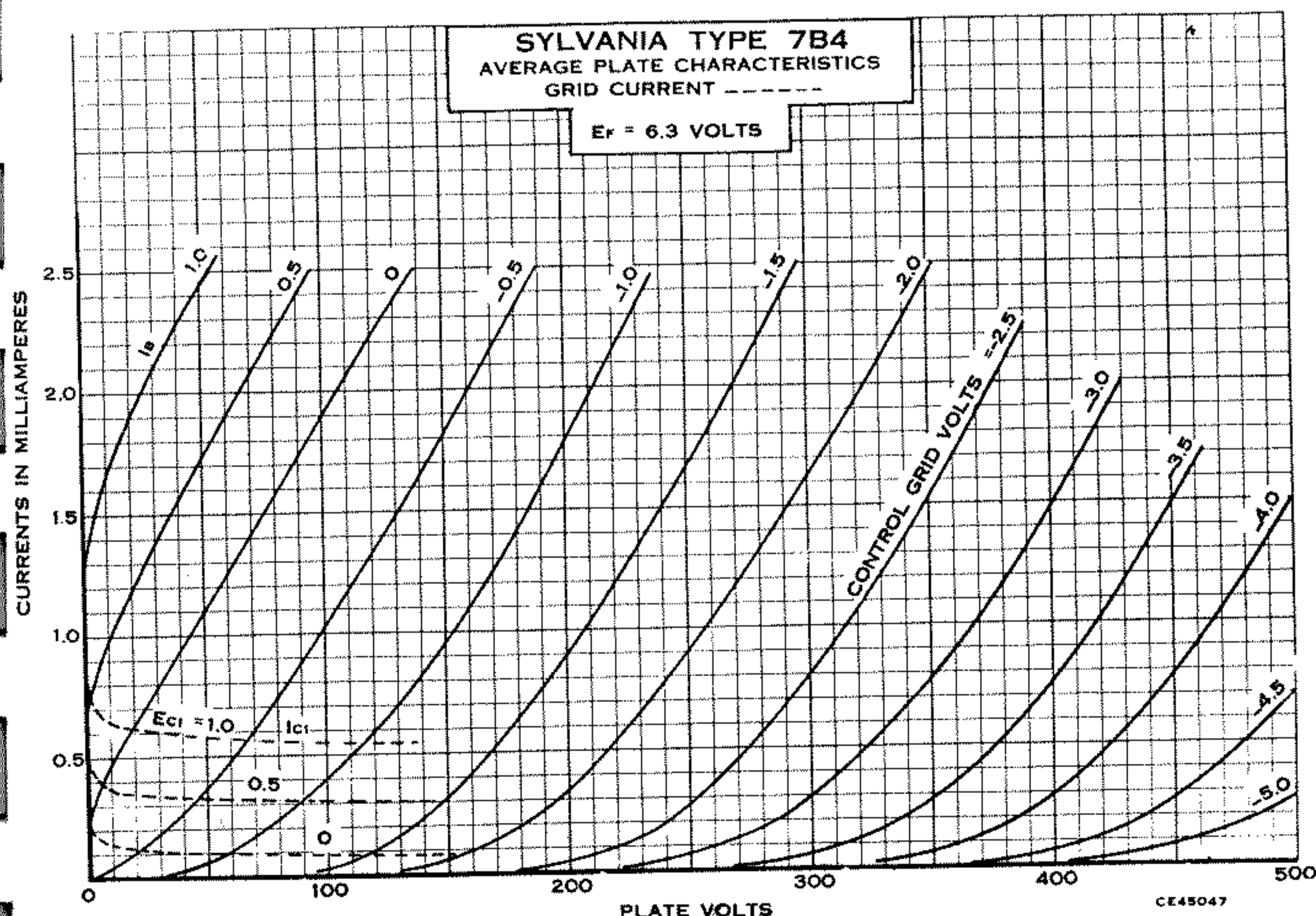
Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.3	0.3 Ampere
Plate Voltage.....	100	250 Volts
Grid Voltage.....	-1	-2 Volts
Plate Current.....	0.4	0.9 Ma.
Plate Resistance (Approximate).....	85000	66000 Ohms
Mutual Conductance (Approximate).....	1150	1500 μmhos
Amplification Factor.....	100	100

APPLICATION

Sylvania Type 7B4 is a single-ended high-mu triode having electrical characteristics and applications similar to those for Type 6F5G.

The lock-in construction employed in Type 7B4 provides compactness, suitable shielding, and the lock-in feature. For a-c service the 7-volt heater rating corresponds to a 130-volt line condition. It is also the nominal voltage for automotive receiver service. For household receivers, ratings marked Max. are design centers for a line voltage of 117 volts. For automotive service the design centers are 90% of the values indicated using a battery terminal voltage of 6.6 volts.

For data on resistance coupling circuits, refer to table on page 47.



7B4 (Cont.)

