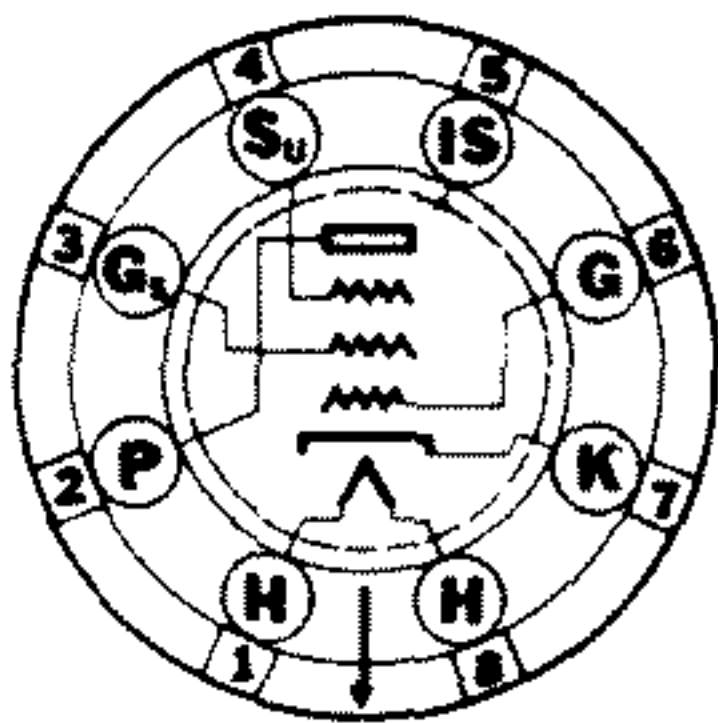
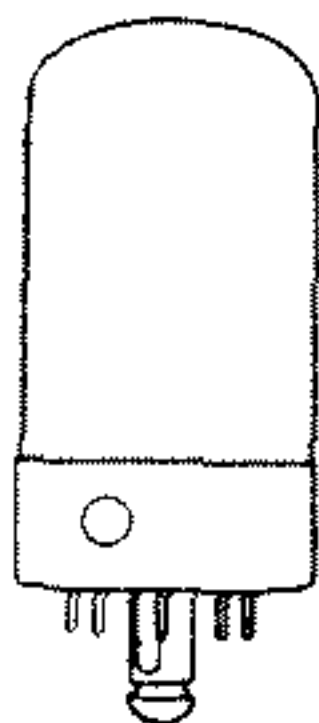


7B7 Sylvania Type

REMOTE CUT-OFF RF PENTODE



8V-L-5

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 (Nominal) AC or DC.....	7.0 Volts
Heater Current (Nominal).....	0.160 Ampere
Maximum Plate Voltage.....	300 Volts
Maximum Screen Voltage.....	100 Volts
Maximum Plate Dissipation.....	2.25 Watts
Maximum Screen Dissipation.....	0.25 Watt
Minimum External Grid Bias Voltage.....	0 Volt
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate.....	0.007 μ mf. Max
Input; Grid to (F + K + Gs + Su).....	5.0 μ mf.
Output; Plate to (F + K + Gs + Su).....	6.0 μ mf.

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

TYPICAL OPERATION

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.150	0.150 Ampere
Plate Voltage.....	100	250 Volts
Screen Voltage.....	100	100 Volts
Grid Voltage.....	-3	-3 Volts
Self-Bias Resistor.....	300	300 Ohms
Suppressor.....	Connect to Cathode	
Plate Current.....	8.2	8.5 Ma.
Screen Current.....	1.8	1.7 Ma.
Plate Resistance.....	0.3	0.75 Megohm
Mutual Conductance.....	1675	1750 μ mhos
Grid Voltage for Mutual Conductance of 10 μ mhos.....	-40	-40 Volts

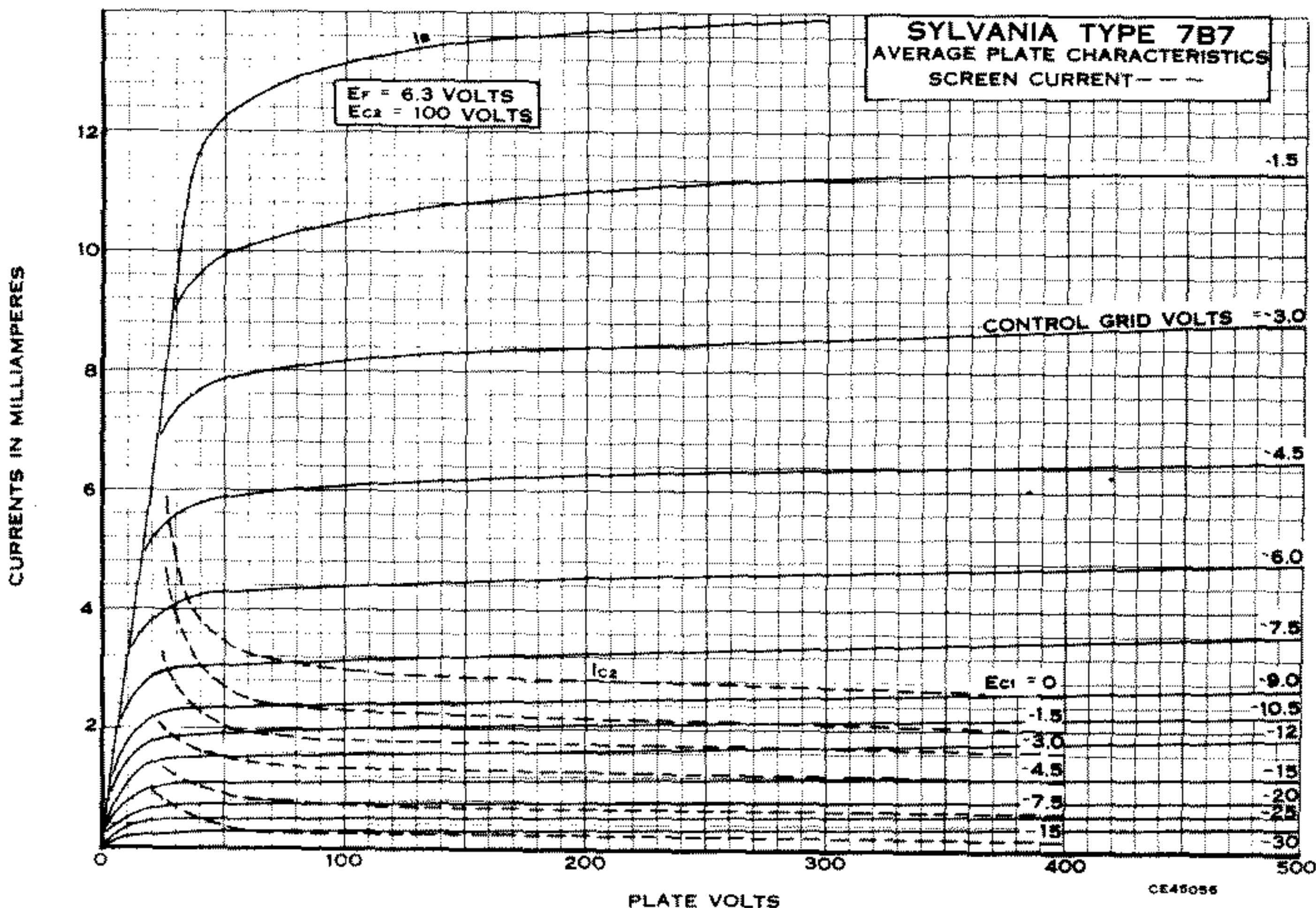
APPLICATION

Sylvania Type 7B7 is a single-ended triple grid remote cut-off amplifier of lock-in design suitable for r-f or i-f service in a-c, ac-dc and auto receivers.

All of the grids terminate a base pins, thus providing an r-f amplifier tube without a top cap. An internal cage-like shield connected to pin Number 5 is used to obtain a small grid to plate capacity.

The electrical characteristics and applications of Type 7B7 are very similar to those for Type 7A7. Reference may be made to this type for application notes.

For a-c service the 7-volt heater rating corresponds to a 130-volt line condition.



SYLVANIA RADIO TUBES

