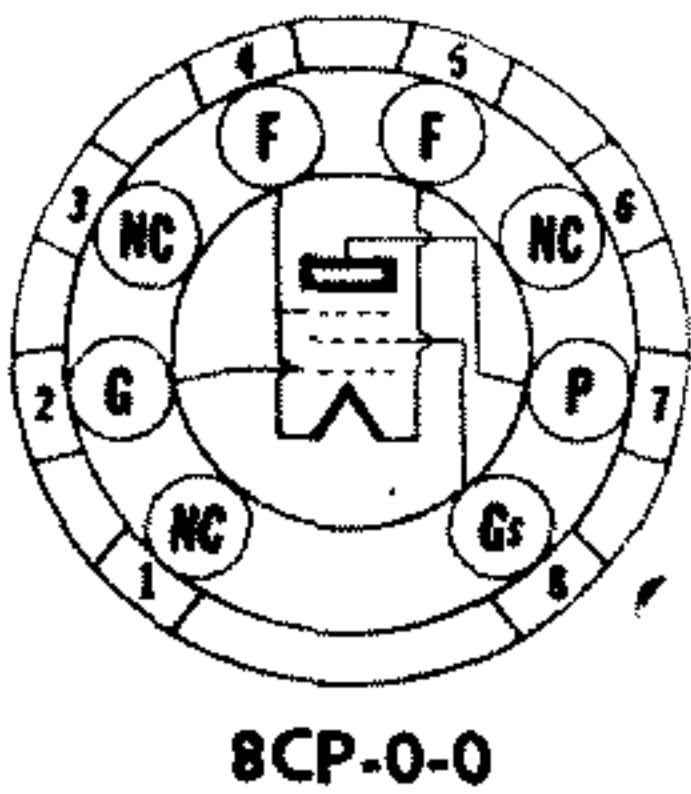




Sylvania Type 1V5

OUTPUT PENIODE

PHYSICAL SPECIFICATIONS

Base.....	Flexible Leads
Bulb.....	T-3
Minimum Lead Length.....	1 1/4"
Maximum Bulb Length.....	1 1/2"
Mounting Position.....	Any

RATINGS

Filament Voltage DC.....	1.25 Volts
Maximum Plate Voltage.....	100 Volts
Maximum Screen Voltage.....	100 Volts
Maximum Cathode Current.....	5.0 Ma.

TYPICAL OPERATION

CLASS A AMPLIFIER

Filament Voltage DC.....	1.25	1.25	1.25 Volts
Filament Current.....	.040	.040	.040 Ampere
Plate Voltage.....	30	45	67.5 Volts
Screen Voltage.....	30	45	67.5 Volts
Grid Voltage.....	-2.0	-3.0	-4.5 Volts
Plate Current.....	0.50	1.0	2.0 Ma.
Screen Current.....	0.10	0.2	0.40 Ma.
Plate Resistance.....	.200	.175	.150 Megohms
Mutual Conductance.....	450	600	750 μ mhos
Load Resistance.....	50,000	40,000	25,000 Ohms
Power Output.....	5	15	50 Milliwatts
Total Harmonic Distortion.....	10	10	10 %

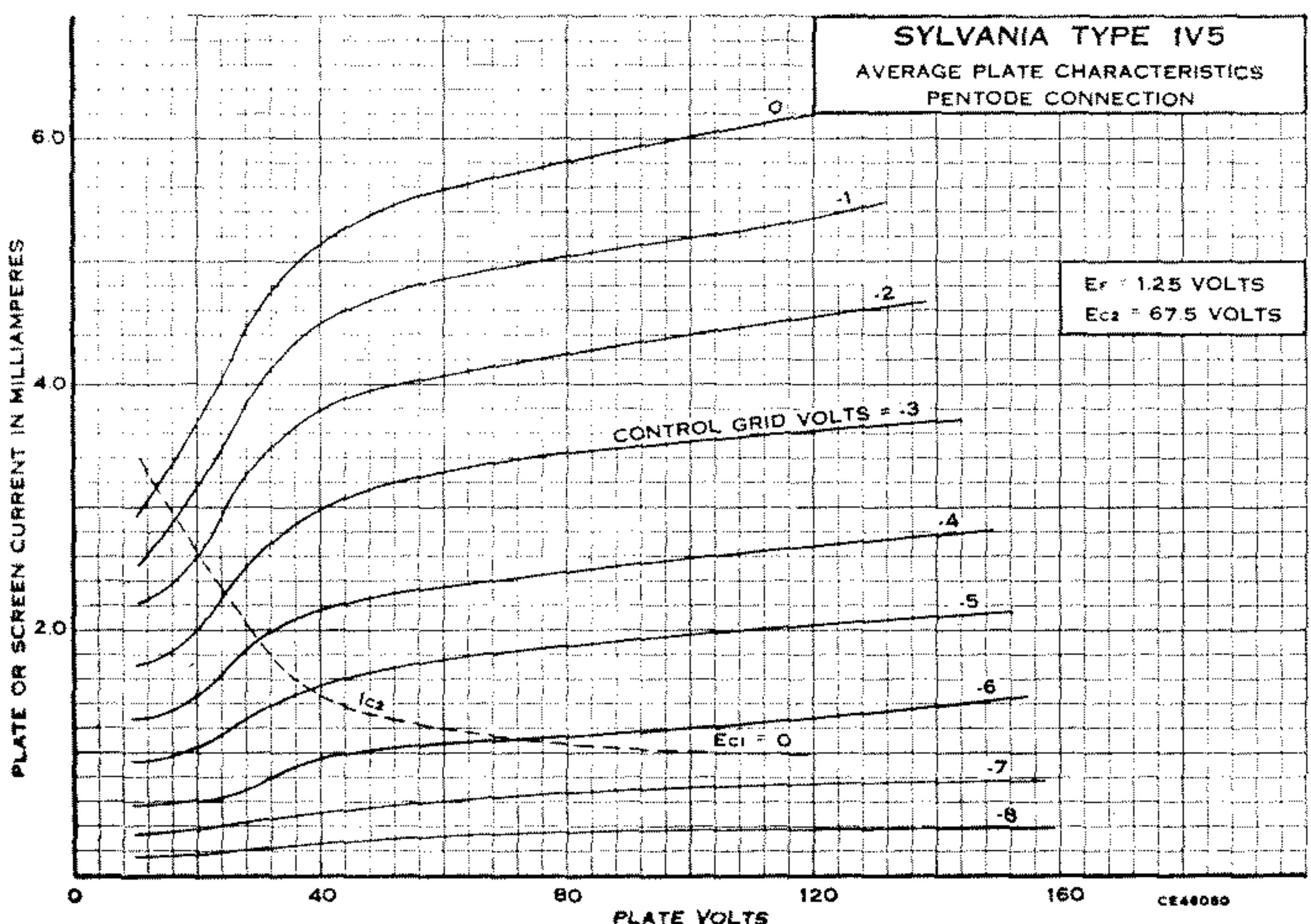
APPLICATION

Sylvania Type 1V5 is an Output Pentode suitable for use in very small radio sets or amplifiers. The other types required for a normal set complement and designed for use with it are Types 1C8 (Converter), 1Q6 (Diode Pentode) and 1W5 (RF Pentode).

This type corresponds in service and circuit requirements to Type 1LA4 except for the improved plate current economy.

When used on battery supply the filament voltage must never exceed 1.5 volts. For AC-DC power line operation, the design center is 1.2 volts.

The tinned leads permit direct soldering into the circuit and permit great reduction in size of completed equipment, or may be cut off for use in a socket designed for this purpose.



SYLVANIA RADIO TUBES

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1V5 (Contd.)

