



Sylvania Type 7F7

HIGH-MU DUO TRIODE
GT EQUIVALENT 6SL7GT

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 per Plate.....	1.0 Watt
Minimum Grid Voltage.....	0 Volt
Maximum Heater-Cathode Voltage.....	90 Volts

Direct Interelectrode Capacitances:*

Grid to Plate.....	1.6 μ f.
Input.....	2.4 μ f.
Output.....	2.0 μ f.
Grid 1 to Grid 2.....	0.2 μ f. Max.
Plate to Plate.....	1.0 μ f. Max.

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

TYPICAL OPERATION

CLASS A AMPLIFIER PER SECTION

Heater Voltage.....	6.3	6.3 Volts
Heater Current.....	0.3	0.3 Ampere
Plate Voltage.....	100	250 Volts
Grid Voltage.....	-1.0	2.0 Volts
Plate Current.....	.65	2.3 Ma.
Plate Resistance.....	62000	44000 Ohms
Mutual Conductance.....	1125	1600 μ mhos
Amplification Factor.....	70	70

APPLICATION

Sylvania Type 7F7 is a double triode high-mu amplifier tube of Lock-In construction. It is designed for use as a resistance coupled amplifier or phase inverter. All elements except the common heater are brought out separately allowing each triode section to operate independently of the other. Resistance coupling data are given in the table on Page 53.

7F7 (Cont.)

