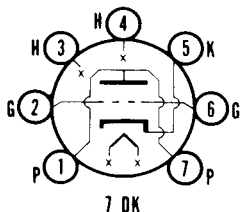


SYLVANIA TYPE 6T4

U H F TRIODE



MECHANICAL DATA

Bulb.....	T-5 1/2, Outline 5-1
Base.....	Miniature Button 7-Pin
Basing.....	7DK
Mounting Position.....	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage.....	6.3 Volts
Heater Current.....	225 Ma
Maximum Heater-Cathode Voltage	
Total D C and Peak.....	50 Volts
D C, Heater Positive with Respect to Cathode.....	25 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Shielded ¹	Unshielded
Grid to Plate.....	1.7	1.7 $\mu\mu\text{f}$
Input.....	3.3	2.6 $\mu\mu\text{f}$
Output.....	2.0	0.4 $\mu\mu\text{f}$
Heater to Cathode ²	3.0	3.0 $\mu\mu\text{f}$
Grid to Cathode ²	2.4	2.4 $\mu\mu\text{f}$
Plate to Cathode ²22	.24 $\mu\mu\text{f}$

MAXIMUM RATINGS (Design Center Values)

Plate Voltage.....	200 Volts
Plate Dissipation.....	3.5 Watts
Grid Current.....	8 Ma
Cathode Current.....	30 Ma

CHARACTERISTICS

Plate Voltage.....	80 Volts
Cathode Bias Resistor.....	150 Ohms
Plate Current.....	18 Ma
Transconductance.....	7000 μmhos
Amplification Factor.....	13
Plate Resistance.....	1860 Ohms
Grid Voltage for 50 μa Plate Current.....	-15 Volts

TYPICAL OPERATION

Oscillator at 950 Mc

Plate Voltage.....	80 Volts
Grid Voltage (Self Bias).....	-4 Volts
Grid Resistor.....	10000 Ohms
Plate Current.....	18 Ma
Grid Current (approx.).....	400 μa

NOTES:

1. Shield No. 316.
2. Measured between specified elements only. When external shield is used, it shall be grounded.

APPLICATION

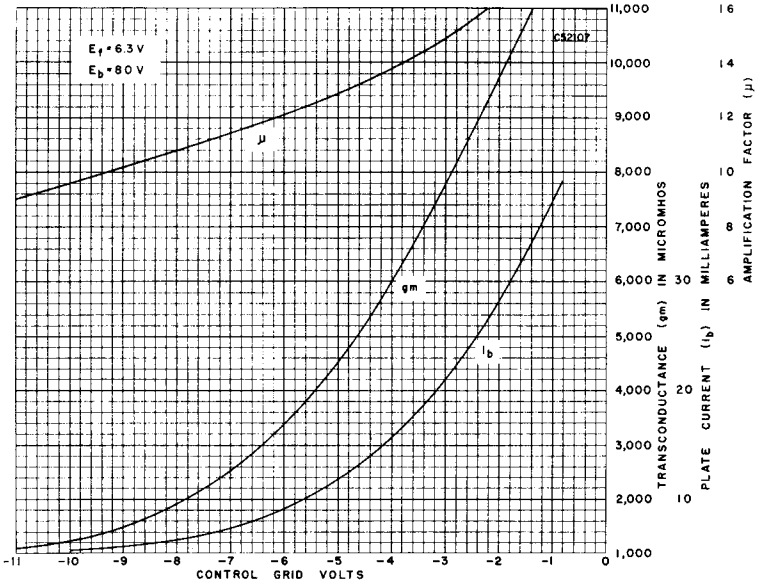
The Sylvania Type 6T4 is a miniature low- μ triode designed for service as a u h f oscillator.

SYLVANIA TUBE TESTER SETTINGS

	A	B	C	D	E	F	G	Test or K
139/140	6.3	0	46	0	2	2	30	U
	6.3	0	23	0	3	6	30	U
219/220	6.3	3	467	24	4	2X	1	5
	6.3	3	124	24	4	6X	7	5

6T4 (Cont'd)

AVERAGE TRANSFER CHARACTERISTICS



AVERAGE PLATE CHARACTERISTICS

