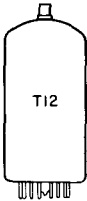
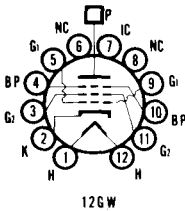


6LF6

Color Television Type
HORIZONTAL DEFLECTION
AMPLIFIER

Beam Pentode

Construction.....Compactron T-12
Base E12-74
Top Cap C1-1
Basing 12GW
Outline
Maximum Diameter 1.563 In.
Maximum Seated Height 4.570 In.
Maximum Overall Height 4.950 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage 6.3 Volts
Heater Current 2.0 Amp.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid to Plate 3.0 pf
Input: g1 to (h + k + g2 + bp)..... 37 pf
Output: p to (h + k + g2 + bp)..... 18.5 pf

RATINGS (Design Maximum Rating System)

Horizontal Deflection Amplifier

DC Plate Supply Voltage at Zero Current (Max.) 990 Volts
Peak Positive Plate Voltage⁽¹⁾ (Max.) 8000 Volts
Beam Plate Voltage (Max.) 50 Volts
Grid No. 2 Voltage (Max.) 275 Volts
Peak Negative Grid No. 1 Voltage (Max.) 550 Volts
Plate Dissipation (Max.) 40 Watts
Peak Cathode Current (Max.)..... 1400 Ma
Beam Plate Circuit Resistance (Max.) 0.01 Megohms
Bulb Temperature (At Hottest Point) (Max.) 300 °C

AVERAGE CHARACTERISTICS (Measured Under Pulse Conditions)

	Max.	Min.	During Flyback
Plate Voltage	160	50	7000 Volts
Grid No. 2 Voltage	160	175	175 Volts
Grid No. 1 Voltage	0	-10	-185 Volts
Beam Plate Voltage	Tied to Cathode		
Plate Current	1400	800	<0.05 Ma
Grid No. 2 Current	45	70	— Ma

NOTE:

(1) Maximum pulse duration is 22% of a cycle, maximum 18 μsec.