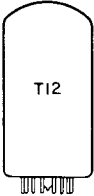
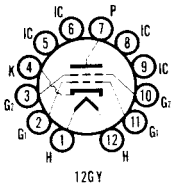


6HS5

HIGH VOLTAGE
REGULATOR

Beam Triode

Construction.....Compactron T-12
BaseButton 12 Pin, E12-74
Basing12GY
Outline12-60
Maximum Diameter1.563 In.
Maximum Seated Height3.500 In.
Maximum Overall Height3.875 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage.....	6.3 Volts
Heater Current.....	1500 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak.....	450 Volts
Heater Positive with Respect to Cathode	
DC.....	100 Volts
Total DC and Peak.....	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid to Plate.....	1.6 Pf
Input: g to (h + k + bp).....	24 Pf
Output: p to (h + k + bp).....	6.5 Pf

RATINGS (Design Maximum Rating System)

High-Voltage Regulator Service⁽¹⁾

Peak Plate Voltage.....	5500 Volts
Plate Dissipation.....	30 Watts
Peak Plate Current.....	325 Ma
Grid-Circuit Resistance ⁽²⁾	0.1 Megohm
Bulb Temperature at Hottest Point.....	220 °C

CHARACTERISTICS AND TYPICAL OPERATION

Pulse Plate Voltage ⁽³⁾	3500 Volts
Beam Plate Connected to Cathode at Socket	
Negative DC Grid Voltage.....	4.4 Volts
Peak Plate Current.....	300 Ma
Amplification Factor.....	300
Transconductance.....	65,000 μmhos
Plate Resistance, (Approx.).....	4600 Ohms
Grid Voltage, (Approx.).....	
Eb = 3500 Volts, Ib = 1.0 Ma.....	-13 Volts

NOTES:

- (1) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.
- (2) Larger values of grid-circuit resistance may be used if provisions are made to protect the tube.
- (3) Duty cycle of the pulse must be less than 2.5%.