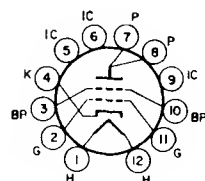


6JH5

6JH5/6HZ5/6JD5

BEAM TRIODE

Duodecar type used as a pulse-type regulator in the high-voltage power supply of color television receivers. Outlines section, 15F; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.3; amperes, 2.4.

**12JE****Class A₁ Amplifier****CHARACTERISTICS**

Pulse Plate Voltage*	3500	volts
Grid No.2 (Beam Plate)	Connected to cathode at	socket
Grid-Voltage, Negative-bias value	4.4	volts
Peak Plate Current	300	mA
Amplification Factor	300	
Transconductance	65000	μmhos
Plate Resistance (Approx.)	4600	ohms
Grid Voltage (Approx.) for plate current of 1 mA	-16	volts

* Duty cycle of the pulse must be less than 2.5%.

High-Voltage Regulator Service

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

Peak Plate Voltage#	5500	volts
Plate Dissipation	35	watts
Peak Plate Current	325	mA
Heater-Cathode Voltage:		
Peak value	+200 —450	volts
Average value	100	volts
Bulb Temperature (At hottest point)	240	°C

MAXIMUM CIRCUIT VALUE

Grid-Circuit Resistance [▲]	0.1	megohm
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

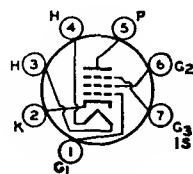
▲ Larger values of grid-circuit resistance may be used if provisions are made to protect the tube.

6JH6

4JH6

**SEMIREMOTE-CUTOFF
PENTODE**

Miniature type used in the gain-controlled picture if-amplifier stages of color and black-and-white television receivers. Outlines section, 5C; requires miniature 7-contact socket. For curves of average plate characteristics, refer to type 6BZ6. Type 4JH6 is identical with type 6JH6 except for heater ratings.

**7CM**

Heater Arrangement	4JH6 Series	6JH6 Parallel	
Heater Voltage (ac/dc)	4.2	6.3	volts
Heater Current	0.45	0.3	ampere
Heater Warm-up Time	11	—	seconds
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances:			
Grid No.1 to Plate	Unshielded 0.025 max	Shielded* 0.015 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	7	7	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	2	3	pF

* With external shield connected to cathode.