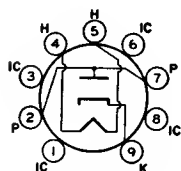


Refer to chart at end of section.

6BH3**9HP**

Socket terminals 1, 3, 6, and 8 should not be used as tie points. These tubes, like other power-handling tubes, should be adequately ventilated. Types 17BH3A and 22BH3A are identical with type 6BH3A except for heater ratings.

HALF-WAVE VACUUM RECTIFIER

6BH3A

17BH3A, 22BH3A

Novar types used as damper tubes in horizontal-deflection circuits of black-and-white television receivers.

Outlines section, 30B; requires novar 9-contact socket.

	6BH3A	17BH3A	22BH3A	
Heater Voltage (ac/dc)	6.3	17	22.4	volts
Heater Current	1.6	0.6	0.45	amperes
Heater Warm-up Time (Average)	—	11	11	seconds
Direct Interelectrode Capacitances (Approx.):				
Plate to Cathode and Heater			6.5	pF
Cathode to Plate and Heater			9	pF
Heater to Cathode			2.8	pF

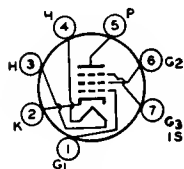
Damper Service

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage*	5500	volts
Peak Plate Current	1100	mA
Average Plate Current	130	mA
Plate Dissipation	6.5	watts
Heater-Cathode Voltage:		
Peak value	+300	volts
Average value	+100	volts

* Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

**7CM****SHARP-CUTOFF PENTODE****6BH6**

Miniature type used as rf amplifier particularly in ac/dc receivers and in mobile equipment where low heater-current drain is important. It is particularly useful in high-frequency, wide-band applications. Outlines section, 5C; requires miniature 7-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.15	ampere
Peak Heater-Cathode Voltage	±90 max	volts
Direct Interelectrode Capacitances:*		
Grid No.1 to Plate	0.0035 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	5.4	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	4.4	pF

* Without external shield, or with external shield connected to cathode.

Class A₁ Amplifier**MAXIMUM RATINGS (Design-Center Values)**

Plate Voltage	300	volts
Grid-No.2 (Screen-Grid) Voltage	See curve page 98	
Grid-No.2 Supply Voltage	300	volts
Grid-No.1 (Control-Grid) Voltage:		
Negative-bias value	50	volts
Positive-bias value	0	volts