

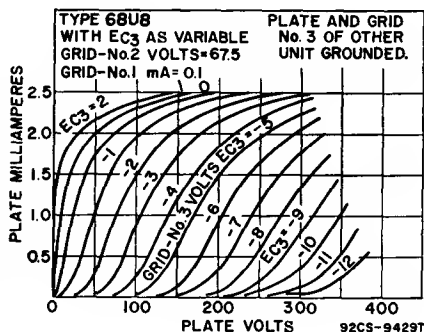
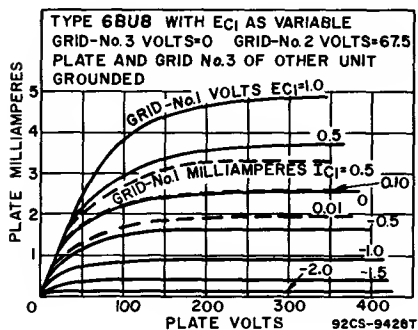
Grid-No.3 Transconductance	—	180	μ mhos
Grid-No.1 Transconductance	1500	—	μ mhos
Plate Current	—	2.2	mA
Grid-No.3 Voltage (Approx.) for plate current of 100 μ A	—	—4.5	volts
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—	—2.3	volts

MAXIMUM CIRCUIT VALUES

Grid-No.3-Circuit Resistance (Each Unit)	0.5	megohm
Grid-No.1-Circuit Resistance	0.5	megohm

* Adjusted to provide a dc grid-No.1 current of 100 microamperes.

† With plate and grid No.3 of the other unit connected to ground.

**6BV8**

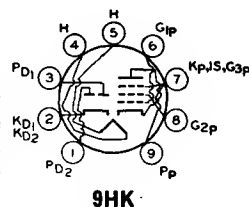
Refer to chart at end of section.

6BW4

Refer to chart at end of section.

6BW8**5BW8****TWIN DIODE—
SHARP-CUTOFF PENTODE**

Miniature type used in television receiver applications; diodes are used as horizontal phase detectors; pentode is used as a sound if amplifier, sound limiter, and age keyer. Outlines section, 6B; requires miniature 9-contact socket. Type 5BW8 is identical with type 6BW8 except for heater ratings.

**9HK**

Heater Voltage (ac/dc)	5BW8 4.7	6BW8 6.3	volts
Heater Current	0.6	0.45	ampere
Heater Warm-up Time (Average)	11	—	seconds
Heater-Cathode Voltage:			
Peak value	± 200 max	± 200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances:			
Pentode Unit:			
Grid No.1 to Plate		0.02 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield		4.8	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield		2.6	pF
Plate of Diode Unit No.1 to Cathode and Heater		1.3	pF
Plate of Diode Unit No.2 to Cathode and Heater		1.2	pF
Pentode Grid No.1 to Either Diode Plate		0.006 max	pF

Pentode Unit as Class A₁ Amplifier**MAXIMUM RATINGS (Design-Maximum Values)**

Plate Voltage	330	volts
Grid-No.2 (Screen-Grid) Supply Voltage	330	volts
Grid-No.2 Voltage		See curve page 98