

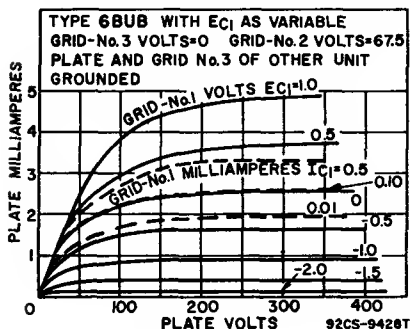
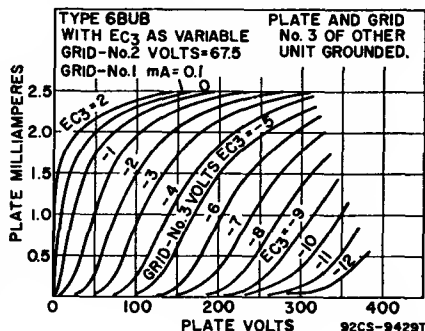
Plate Current	—	2.2	mA
Grid-No.3 Voltage (Approx.) for plate current of 100 μ A	—	—4.5	volts
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—	—2.3	volts

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.

**6B8B**

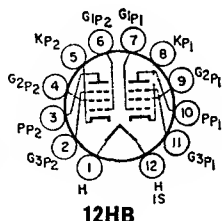
Refer to chart at end of section.

6BV11

12BV11

**SHARP-CUTOFF
TWIN PENTODE**

Duodecar type used as color demodulators in color television applications. Grid Nos. 1 and 3 may be used as independent control electrodes. Outlines section, 8C; requires duodecar 12-contact socket. Type 12BV11 is identical with type 6BV11 except for heater ratings.



	6BV11 Series	12BV11 Parallel	
Heater Arrangement	6.3	12.6	
Heater Voltage (ac/dc)	0.9	0.45	volts
Heater Current	—	11	ampere seconds
Heater Warm-up Time	—	—	
Direct Interelectrode Capacitances:			
Grid No.1 to Plate		0.1	pF
Grid No.3 to Plate		3.2	pF
Grid No.1 to Heater, Cathode, Grid No.2, Grid No.3, and Internal Shield		7	pF
Grid No.3 to All Other Electrodes		8.5	pF
Grid No.1 to Grid No.3		0.08	pF

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

DC Plate Voltage	300	volts
Grid-No.3 (Suppressor-Grid) Voltage:		
Positive-bias value	25	volts
Negative-bias value	100	volts
Grid-No.2 (Screen-Grid) Supply Voltage	300	volts
Grid-No.2 Voltage	See curve page 300	
Grid-No.1 (Control-Grid) Voltage:		
Positive-bias value	0	volt
Negative-bias value	50	volts
Plate Dissipation	1.7	watts
Grid-No.3 Input	0.1	watt
Grid-No.2 Input:		
For grid-No.2 voltages up to 150 volts	1	watt
For grid-No.2 voltages between 150 and 300 volts	See curve page 300	

CHARACTERISTICS

Plate Supply Voltage	150	volts
Grid-No.3 Voltage	0	volt
Grid-No.2 Supply Voltage	100	volts
Cathode Resistor	180	ohms
Plate Current	3.1	mA
Grid-No.2 Current	2.4	mA
Transconductance, Grid No.1	3200	μ mhos
Transconductance, Grid No.3	390	μ mhos
Plate Resistance (Approx.)	0.17	megohm
Grid-No.1 Voltage (Approx.) for plate current of 75 μ A	-3.5	volts
Grid-No.3 Voltage (Approx.) for plate current of 85 μ A	-5.5	volts
Amplification Factor	67	

MAXIMUM CIRCUIT VALUES

Grid-No.3-Circuit Resistance	0.68	megohm
Grid-No.1-Circuit Resistance:		
For fixed-bias operation	0.22	megohm
For cathode-bias operation	0.47	megohm

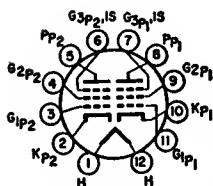
For replacement use type 6CG3/6BW3/6DQ3.

6BW3

Refer to chart at end of section.

6BW4

Refer to chart at end of section.

6BW8**12HD****SHARP-CUTOFF
DUAL PENTODE****6BW11**

Duodecar type used in color and black-and-white television receiver applications. Unit No. 1 is used as a video amplifier; unit No. 2 is used in bandpass amplifier, burst amplifier, or sound-if or video-if applications. Outlines section, 8B; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.3; amperes, 0.8; maximum heater-cathode volts, ± 200 peak, 100 average.

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

	Unit No.1	Unit No.2	
Plate Voltage	330	330	volts
Grid-No.2 (Screen-Grid) Supply Voltage	330	330	volts
Grid-No.2 Voltage	See curve page 300		
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	volts
Plate Dissipation	4	3.1	watts
Grid-No.2 Dissipation	0.8	0.65	watt

CHARACTERISTICS

Plate Voltage	125	125	volts
Grid No.3 (Suppressor Grid)	Connected to cathode at socket		
Grid-No.2 Voltage	125	125	volts
Cathode-Bias Resistor	56	56	ohms
Plate Resistance (Approx.)	0.12	0.2	megohm
Transconductance	8500	13000	μ mhos
Plate Current	22	11	mA
Grid-No.2 Current	4.8	3.8	mA
Grid-No.1 Voltage (Approx.) for plate current of 20 μ A	-9.5	-3	volts

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:			
For cathode-bias operation	0.25	0.25	megohm

Refer to chart at end of section.

6BX7GT

Refer to chart at end of section.

6BY5GA