

Grid-No.1 (Control-Grid) Voltage:

Positive-bias value	0	volts
Negative-bias value	55	volts
Plate Dissipation		
Grid-No.2 Input:	0.55	watt
For grid-No.2 voltages up to 165 volts	See curve	page 98
For grid-No.2 voltages between 165 and 330 volts	3	watts

CHARACTERISTICS

Plate Voltage	250	volts
Grid-No.2 Voltage	110	volts
Cathode-Bias Resistor	68	ohms
Plate Resistance (Approx.)	0.25	megohm
Transconductance	5200	μ mhos
Plate Current	10	mA
Grid-No.2 Current	3.5	mA
Grid-No.1 Voltage (Approx.) for plate current of 10 μ A	-10	volts

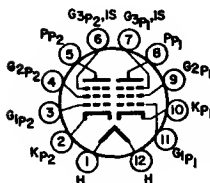
MAXIMUM CIRCUIT VALUES

Grid-No.1 Circuit Resistance:		
For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.5	megohm

Diode Units (Each Unit)

MAXIMUM RATING (Design-Maximum Value)

Plate Current	5	mA
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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 98
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