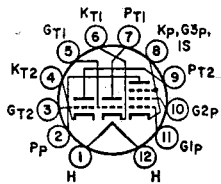


14A4	Refer to chart at end of section.
14A5	Refer to chart at end of section.
14A7	Refer to chart at end of section.
14AF7	Refer to chart at end of section.
14B6	Refer to chart at end of section.
14B8	Refer to chart at end of section.

14BL11**DUAL TRIODE—
SHARP-CUTOFF PENTODE**

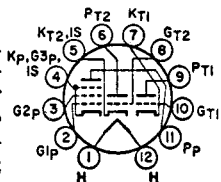
Duodecar type used in television receiver applications. The pentode unit is used for video amplifier service, and the triode units for general-purpose use. **Outlines section, 8B**; requires duodecar 12-contact socket. **Heater:** volts (ac/dc), 14.2; amperes, 0.45; average warm-up time 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

**12G6****Class A₁ Amplifier**

	Triode Unit No.1	Triode Unit No.2	Pentode Unit		
MAXIMUM RATINGS (Design-Maximum Values)					
Plate Voltage	330	330	250		volts
Grid-No.2 (Screen-Grid) Voltage	—	—	125		volts
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	0		volts
Plate Dissipation	1.5	2	2.5		watts
Grid-No.2 Input	—	—	1.25		watts
CHARACTERISTICS					
Plate Voltage	200	200	35	200	volts
Grid-No.2 Voltage	—	—	100	100	volts
Grid-No.1 Voltage	—	—	0	—	volts
Cathode-Bias Resistor	470	270	—	82	ohms
Amplification Factor	40	69	—	—	
Plate Resistance (Approx.)	7600	12500	—	70000	ohms
Transconductance	5300	5500	—	19000	μ mhos
Plate Current	7.2	7.1	40	16	mA
Grid-No.2 Current	—	—	13	3	mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	-8	-5.5	—	-5.5	volts
MAXIMUM CIRCUIT VALUES					
Grid-No.1-Circuit Resistance:					
For fixed-bias operation	0.5	0.5	0.1		megohm
For cathode-bias operation	1	1	0.25		megohm

14BR11**DUAL TRIODE—
SHARP-CUTOFF PENTODE**

Duodecar type used in television receiver applications. The high- μ triode unit No. 1 is used for general-purpose use, the medium- μ triode unit No. 2 for sync separator service, and the pentode unit for video amplifier service. **Outlines section, 8C**; requires duodecar 12-contact socket. **Heater:** volts (ac/dc), 14.2; amperes, 0.45; warm-up time, 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

**12GL**

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

	Triode Unit No.1	Triode Unit No.2	Pentode Unit	
Plate Voltage	330	330	330	volts
Grid-No.2 (Screen-Grid) Supply Voltage	—	—	330	volts
Grid-No.2 Voltage	—	—	See curve page 300	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	0	volts
Plate Dissipation	1.5	2	4	watts
Grid-No.2 Input:				
For grid-No.2 voltages up to 165 volts	—	—	1.1	watts
For grid-No.2 voltages between 165 and 330 volts	—	—	See curve page 300	

CHARACTERISTICS

Plate Voltage	200	200	35	135	volts
Grid-No.2 Voltage	—	—	135	135	volts
Grid-No.1 Voltage	—2	—	0	—	volts
Cathode-Bias Resistor	—	220	—	100	ohms
Amplification Factor	68	41	—	—	
Plate-Resistance (Approx.)	12400	9400	—	45000	ohms
Transconductance	5500	4400	—	10400	μ mhos
Plate Current	7	9.2	34	17	mA
Grid-No.2 Current	—	—	13	4	mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—5.5	—6.5	—	—6	volts

MAXIMUM CIRCUIT VALUES

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

Refer to chart at end of section.	14C5
Refer to chart at end of section.	14C7
Refer to chart at end of section.	14E6
Refer to chart at end of section.	14E7
Refer to chart at end of section.	14F7
Refer to chart at end of section.	14F8
Refer to chart at end of section.	14GT8
Refer to chart at end of section.	14H7
Refer to chart at end of section.	14J7
Refer to chart at end of section.	14JG8
Refer to chart at end of section.	14N7
Refer to chart at end of section.	14Q7
Refer to chart at end of section.	14R7
Refer to chart at end of section.	15
Refer to type 6AF11.	15AF11
Refer to chart at end of section.	15BD11
Refer to chart at end of section.	15BD11A
Refer to chart at end of section.	15CW5
Refer to type 6CW5/EL86.	15CW5/PL84
Refer to chart at end of section.	15DQ8