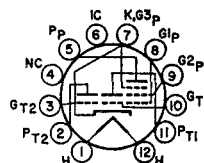


22JR6	Refer to type 6JR6.
22JU6	Refer to type 6JU6.
22KM6	Refer to type 6KM6.
22KV6A	Refer to type 6KV6A.
23JS6A	Refer to type 6JS6C.

23Z9**DUAL TRIODE—
BEAM POWER TUBE**

Duodecar type used in combined vertical-deflection-oscillator and vertical-deflection-amplifier applications in television receivers. Outlines section, 8B; requires duodecar 12-contact socket. Heater: volts (ac/dc), 23; amperes, 0.45; average warm-up time, 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

**12GZ****Class A₁ Amplifier**

CHARACTERISTICS	Triode Unit No.1	Triode Unit No.2	Beam Power Unit		
Plate Voltage	150	150	45	120	volts
Grid-No.2 (Screen-Grid) Voltage	—	—	110	110	volts
Grid-No.1 (Control-Grid) Voltage	-2	-5	0	-8	volts
Amplification Factor	43	20	—	—	
Plate Resistance (Approx.)	11000	8500	—	11700	ohms
Transconductance	3900	2350	—	7100	μ mhos
Plate Current	5.4	5.5	122	46	mA
Grid-No.2 Current	—	—	16.5	3.5	mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—	—	—	-25	volts
Grid Voltage (Approx.) for plate current of 10 μ A	-5.7	-11	—	—	volts

Vertical-Deflection Oscillator and Amplifier

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

	Triode Unit No.1 Amplifier	Triode Unit No.2 Oscillator	Beam Power Unit Amplifier	
MAXIMUM RATINGS (Design-Maximum Values)	330	250	250	volts
Plate Voltage	—	—	2000	volts
Peak Positive-Pulse Plate Voltage#	—	—	200	volts
Grid-No.2 Voltage	—	400	150	volts
Peak Negative-Pulse Grid-No.1 Voltage	—	—	—	volts
Grid Voltage, Positive-bias value	125	1	7	watts
Plate Dissipation	—	—	1.8	watts
Grid-No.2 Input	—	—	245	mA
Peak Cathode Current	—	—	70	mA
Average Cathode Current	—	70	—	mA
Peak Plate Current	—	20	—	mA
Average Plate Current	—	—	—	mA

MAXIMUM CIRCUIT VALUES

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

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

24A	Refer to chart at end of section.
24BF11	Refer to type 6BF11.
24JE6A	Refer to chart at end of section. For replacement use type 24LQ6/24JE6C.
24JE6C	For replacement use type 24LQ6/24JE6C.
24JZ8	Refer to type 6JZ8.

For replacement use type 24LQ6/24JE6C.

Refer to type 6MJ6/6LQ6/6JE6C.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to type 6AV5GA.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to type 6BQ6GTB/6CU6.

Refer to type 50C5.

Refer to chart at end of section.

Refer to chart at end of section.

For replacement use type 25C5.

Refer to chart at end of section.

Refer to type 6CD6GA.

Refer to type 6CG3.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to type 12CT3.

Refer to type 6BQ6GTB/6CU6.

Refer to type 6DL3.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to type 6EH5.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to chart at end of section.

Refer to type 6JZ8.

Refer to chart at end of section.

24LQ6

24LQ6/24JE6C

24LZ6

25A6

25A6GT

25A7GT

25AC5GT

25AV5GA

25AX4GT

25B5

25B6G

25B8GT

25BK5

25BQ6GT

25BQ6GTB/25CU6

25C5

25C6G

25CA5

25CD6GA

25CD6GB

25CG3

25CK3

25CM3

25CT3

25CU6

25DL3

25DN6

25E5/PL36

25EC6

25EH5

25F5A

25HX5

25JQ6

25JZ8

25L6