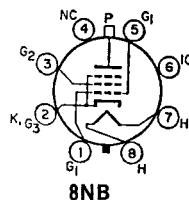


25L6GT/25W6GT	Refer to chart at end of section.
25N6G	Refer to chart at end of section.
25W4GT	Refer to chart at end of section.
25W6GT	For replacement use type 25L6GT/25W6GT Refer to chart at end of section.
25Y5	Refer to chart at end of section.
25Z5	Refer to chart at end of section.
25Z6 25Z6GT	Refer to chart at end of section.
26	Refer to chart at end of section.
26A6	Refer to chart at end of section.
26A7GT	Refer to chart at end of section.
26C6	Refer to chart at end of section.
26D6	Refer to chart at end of section.

26HU5

BEAM POWER TUBE

Glass octal type used as horizontal-deflection amplifier in color television receivers. **Outlines** section, 21B; requires octal socket. **Heater:** volts (ac/dc), 26; ampere, 0.6; warm-up time (average), 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.



Class A₁ Amplifier

CHARACTERISTICS

	Triode† Connection		Pentode Connection		
Plate Voltage	150	45	60	175	volts
Grid-No.2 (Screen-Grid) Voltage	150	160	110	110	volts
Grid-No.1 (Control-Grid) Voltage	-22.5	0	0	-21	volts
Plate Resistance (Approx.)	—	—	—	6000	ohms
Transconductance	—	—	—	14000	μmhos
Plate Current	—	1100*	750*	125	mA
Grid-No.2 Current	—	110*	42*	3.3	mA
Grid-No.1 Voltage (Approx.) for plate current of 1 mA	—	—	—	-40	volts
Amplification Factor	4	—	—	—	—

† Grid No.2 tied to plate.

* This value can be measured by a method involving a recurrent waveform such that the maximum ratings of the tube will not be exceeded.

Horizontal-Deflection Amplifier

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

MAXIMUM RATINGS (Design-Maximum Values)

DC Plate Supply Voltage	990	volts
Peak Positive Pulse Plate Voltage#	7000	volts
Grid-No.2 Voltage	250	volts
Grid-No.1 Voltage, Negative-bias value	250	volts
Plate Dissipation* (Absolute-maximum value)	33	watts
Grid-No.2 Input	5	watts
Average Cathode Current	400	mA
Peak Cathode Current	1400	mA
Bulb Temperature (At hottest point)	250	°C

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

* A bias resistor or other means is required to protect the tube in absence of excitation.

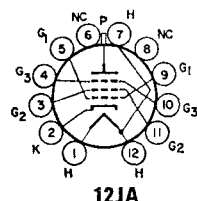
MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:

With Feedback-type high voltage regulation	1.2	megohms
With Shunt-type high voltage regulation (switching mode)	2.2	megohms

Refer to chart at end of section.

26LW6



12JA

BEAM POWER TUBE

26LX6

Duodecar type used as a horizontal-deflection amplifier in color and black-and-white television receivers. **Outlines section, 16C;** requires duodecar 12-contact socket. **Heater:** volts (ac/dc), 26; ampere, 0.6; warm-up time, 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

Class A₁ Amplifier

CHARACTERISTICS

	Triode* Connection	5000	Pentode Connection	45	175	volts
Plate Voltage	175	5000	45	175		
Grid-No. 3 (Suppressor-Grid)			Connected to cathode at socket			
Grid-No. 2 (Screen-Grid) Voltage	175	110	160	110		volts
Grid-No. 1 (Control-Grid) Voltage	-21	—	0	-21		volts
Plate Resistance (Approx.)	—	—	—	6000		ohms
Transconductance	—	—	—	14000		μ mhos
Plate Current	—	—	1100 $\frac{1}{2}$	125		mA
Grid-No. 2 Current	—	—	110 $\frac{1}{2}$	3.3		mA
Grid-No. 1 Voltage (Approx.) for plate current of 1 mA	—	-125	—	—		volts
Amplification Factor	4	—	—	—		

* Grid-No. 2 tied to plate.

† This value may be measured by a method involving a recurrent waveform such that the maximum ratings of the tube will not be exceeded.

Horizontal-Deflection Amplifier

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

MAXIMUM RATINGS (Design-Maximum Values)

DC Plate Supply Voltage	990	volts
Peak Positive Pulse Plate Voltage# (Absolute Maximum Value)	7000	volts
Peak Negative-Pulse Plate Voltage	100	volts
Grid-No. 3 Voltage, Positive-bias value	0	volts
Grid-No. 2 Voltage	250	volts
Peak Negative Grid-No. 1 Voltage	250	volts
Peak Cathode Current	1400	mA
Average Cathode Current	400	mA
Plate Dissipation (Absolute Maximum Value)	33	watts
Grid-No. 2 Input	5	watts
Bulb Temperature (At hottest point)	240	°C

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:

With feedback-type high voltage regulation	1.2	megohms
With shunt-type high voltage regulation (switching mode)	2.2	megohms
Grid-No.3-Circuit Resistance	0	ohms

MINIMUM RECOMMENDED GRID DRIVE

Peak Positive Pulse Plate Voltage	5000	6000	volts
Peak Negative Grid-No. 1 Voltage for grid-No. 2 voltage of 150 volts	-190	-210	volts
Peak Negative Grid-No. 1 Voltage for grid-No. 2 voltage of 200 volts	-210	-235	volts

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

* A bias resistor or other means is required to protect the tube in absence of excitation.