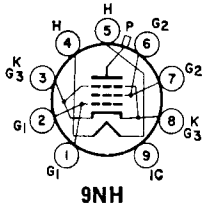


# 6GB5/ EL500

## BEAM POWER TUBE

13GB5/XL500,  
18GB5/LL500  
27GB5/PL500



Magnoval type used as horizontal-deflection amplifier in television receivers. **Outlines section, 35B**; requires neonval 9-contact socket. Typical instantaneous characteristics (measured with recurrent waveform such that maximum ratings are not exceeded): plate volts, 75; grid-No.2 volts, 200; grid-No.1 volts, -10; plate mA, 440; grid-No.2 mA, 37. Types 13GB5/XL500, 18GB5/LL500 and 27GB5/PL500 are identical with type 6GB5/EL500 except for heater ratings.

	6GB5/ EL500	13GB5/ XL500	18GB5/ LL500	27GB5/ PL500	
Heater Voltage (ac/dc)	6.3	13.3	18	27	volts
Heater Current	1.38	0.6	0.45	0.3	amperes
Heater-Cathode Voltage:					
Peak value	±250 max	±250 max	±250 max	±250 max	volts
Average value	125 max	125 max	125 max	125 max	volts

### Horizontal-Deflection Amplifier

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

#### MAXIMUM RATINGS (Design-Maximum Values)

DC Plate Voltage	275	volts
Peak Positive-Pulse Plate Voltage#	7700	volts
DC Grid-No.2 (Screen-Grid) Voltage	275	volts
Average Cathode Current	275	mA
Plate Dissipation*	17	watts
Grid-No.2 Input*	5	watts

#### MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:		
Without grid current	0.5	megohm
With grid current (horizontal-output service only)	2.2	megohms

# 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.

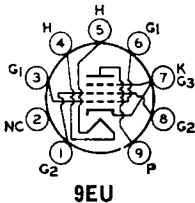
• Grid-No.2 input may reach 6 watts for plate-dissipation values below 11 watts.

For replacement use type 6GW6/6DQ6B.

**6GB6**

For replacement use type 6GW6/6DQ6B.

**6GB7**



## BEAM POWER TUBE

# 6GC5

Miniature type used in color and black-and-white television receiver applications and as output tube in audio-amplifier applications. **Outlines section, 6E**, requires miniature 9-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	1.2	amperes
Heater-Cathode Voltage:		
Peak value	±200 max	volts
Average value	100 max	volts
Direct Interelectrode Capacitances (Approx.):		
Grid No.1 to Plate	0.9	pF
Grid No.1 to Cathode, Heater, Grid No.2, and Grid No.3	18	pF
Plate to Cathode, Heater, Grid No.2, and Grid No.3	7	pF