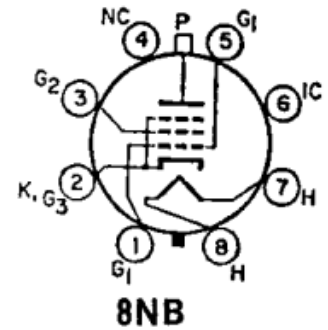


26HU5

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	
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	μ mhos
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	$^{\circ}$ 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