

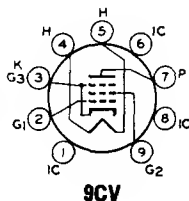
6CW5

Refer to chart at end of section.

6CW5/
EL868CW5/XL86,
10CW5/LL86,
15CW5/PL84

POWER PENTODE

Miniature type used for vertical-deflection amplifier service in color and black-and-white television receivers. Outlines section, 6G; requires miniature 9-contact socket. Types 8CW5/XL86, 10CW5/LL86, and 15CW5/PL84 are identical with type 6CW5/EL86 except for heater ratings.



	6CW5/EL86	8CW5/ XL86	10CW5/ LL86	15CW5/PL84	
Heater Voltage (ac/dc)	6.3	8	10.6	15	volts
Heater Current	0.76	0.6	0.45	0.3	ampere
Heater Warm-up Time	—	—	11	—	seconds
Heater-Cathode Voltage:					
Peak value	±330 max	±330 max	±330 max	±330 max	volts
Average value	±220 max	±220 max	±220 max	±220 max	volts
Direct Interelectrode Capacitances:					
Grid No.1 to Plate				0.6	pF
Grid No.1 to Heater				0.25 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, and Grid No.3				13	pF
Plate to Cathode, Heater, Grid No.2, and Grid No.3				6.8	pF

Class A₁ or Class AB₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	275	volts
Plate Supply Voltage	600	volts
Grid-No.2 Voltage	220	volts
Grid-No.2 (Screen-Grid) Supply Voltage	600	volts
Cathode Current	110	mA
Plate Dissipation	14	watts
Grid-No.2 Input	2.1	watts
Peak Grid-No.2 Input	7	watts

CHARACTERISTICS

Plate Voltage	170	volts
Grid-No.2 Voltage	170	volts
Grid-No.1 (Control-Grid) Voltage	—12.5	volts
Mu Factor (Grid No.2 to Grid No.1)	8	
Plate Resistance	26000	ohms
Transconductance	11000	μmhos
Plate Current	70	mA
Grid-No.2 Current	3.5	mA

MAXIMUM CIRCUIT VALUE

Grid-No.1-Circuit Resistance	1	megohm
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Vertical-Deflection Amplifier

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

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	275	volts
Peak Positive-Pulse Plate Voltage#	2200	volts
Grid-No.2 Voltage	275	volts
Peak Negative-Pulse Grid-No.1 Voltage	250	volts
Peak Cathode Current	240	mA
Average Cathode Current	110	mA
Plate Dissipation	12	watts
Grid-No.2 Input	2.1	watts

MAXIMUM CIRCUIT VALUE

Grid-No.1-Circuit Resistance	2.2	megohms
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Pulse duration must not exceed 6% of a vertical scanning cycle (1.2 milliseconds).