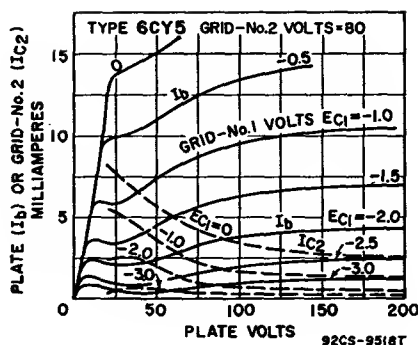
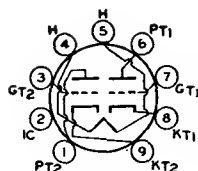




DUAL TRIODE

6CY7



9LG

Miniature type used as combined vertical oscillator and vertical-deflection amplifier in television receivers. Unit No.1 is used as a blocking oscillator in vertical-deflection circuits, and unit No.2 is used as a vertical-deflection amplifier. Outlines section, 6E; requires miniature 9-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.75	ampere
Heater-Cathode Voltage:		
Peak value	±200 max	volts
Average value	100 max	volts

Class A₁ Amplifier

CHARACTERISTICS

	Unit No.1	Unit No.2	
Plate Supply Voltage	250	150	volts
Grid Voltage	-3	—	volts
Cathode-Bias Resistor	—	620	ohms
Amplification Factor	68	5	
Plate Resistance (Approx.)	52000	920	ohms
Transconductance	1300	5400	μmhos
Plate Current	1.2	30	mA
Plate Current for grid voltage of -30 volts	—	3.5	mA
Grid Voltage (Approx.) for plate current of 10 μA	-5.5	—	volts
Grid Voltage (Approx.) for plate current of 200 μA	—	-40	volts

Vertical-Deflection Oscillator and Amplifier

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

MAXIMUM RATINGS (Design-Maximum Values)	Unit No.1 Oscillator	Unit No.2 Amplifier	
DC Plate Voltage	350	350	volts
Peak Positive-Pulse Plate Voltage†	—	1800	volts
Peak Negative-Pulse Grid Voltage	-400	-250	volts
Peak Cathode Current	—	120	mA
Average Cathode Current	—	35	mA
Plate Dissipation	1	5.5	watts

MAXIMUM CIRCUIT VALUES

Grid-Circuit Resistance	2.2	2.2†	megohms
-------------------------	-----	------	---------

Pulse duration must not exceed 15% of a vertical scanning cycle (2.5 milliseconds).

† For cathode-bias operation.