

Direct Interelectrode Capacitances (Approx.):

Grid-No.1 to Plate	0.03	pF
Grid-No.1 to Cathode, Heater, Grid No.2 and Internal Shield ..	4.5	pF
Plate to Cathode, Heater, Grid No.2, and Internal Shield	3	pF

With external shield connected to cathode.

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

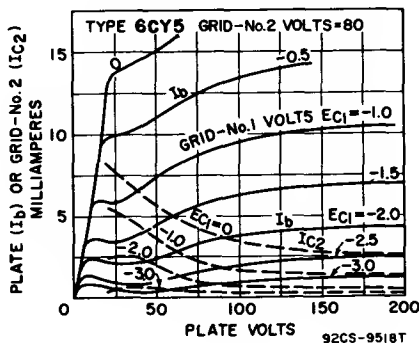
Plate Voltage	180	volts
Grid-No.2 (Screen-Grid) Supply Voltage	180	volts
Grid-No.2 Voltage	See curve page 98	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	volts
Cathode Current	20	mA
Plate Dissipation	2	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 90 volts	0.5	watt
For grid-No.2 voltages between 90 and 180 volts	See curve page 98	

CHARACTERISTICS

Plate Voltage	125	volts
Grid-No.2 Voltage	80	volts
Grid-No.1 Voltage	-1	volt
Plate Resistance (Approx.)	0.1	megohm
Transconductance	8000	μ mhos
Plate Current	10	mA
Grid-No.2 Current	1.5	mA
Grid-No.1 Voltage (Approx.) for plate current of 20 μ A	-6	volts

MAXIMUM CIRCUIT VALUE

Grid-No.1-Circuit Resistance	0.5	megohm
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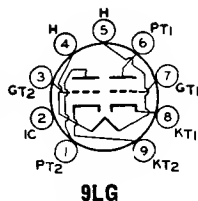


6CY7

11CY7

DUAL TRIODE

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. Type 11CY7 is identical with type 6CY7 except for heater ratings.



Heater Voltage (ac/dc)	6CY7	11CY7	
Heater Current	6.3	11	volts
Heater Warm-up Time (Average)	0.75	0.45	ampere
Heater-Cathode Voltage:		11	seconds
Peak value	± 200 max	± 200 max	volts
Average value	100 max	100 max	volts

Class A₁ Amplifier

CHARACTERISTICS

Plate Supply Voltage	Unit No.1	Unit No.2	
Grid Voltage	250	150	volts
	-3	-	volts