

**MAXIMUM CIRCUIT VALUES**

Grid-No.1-Circuit Resistance:		
For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.5	megohm

**6Y6GT**

For replacement use type 6Y6GA/6Y6G.

**6Y7G**

Refer to chart at end of section.

**6Y9**

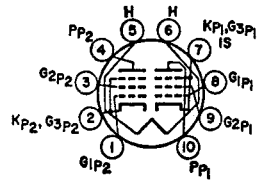
Refer to chart at end of section.  
For replacement use type 6Y9/EFL200.

**6Y9/EFL200**

17Y9

**DUAL PENTODE**

Miniature type for use in color and black-and-white television receiver applications. Unit No. 1 is used as a video output pentode, and unit No. 2 as a sound if amplifier, agc amplifier, or sync separator. Outlines section, 6L, except has 10-pin base; requires miniature 10-contact socket. Type 17Y9 is identical with type 6Y9/EFL200 except for heater ratings.



10L

	6Y9/ EFL200	17Y9	
Heater Voltage	6.3	16.5	volts
Heater Current	0.8	0.3	ampere
Peak Heater-Cathode Voltage	±200	±200	volts
<b>Direct Interelectrode Capacitances:</b>			
<b>Unit No.1:</b>			
Plate to All Other Elements (except grid No.1)		7	pF
Grid No.1 to All Other Elements (except plate)		12	pF
Plate to Grid No.1		95	pF
<b>Unit No.2:</b>			
Plate to All Other Elements (except grid No.1)		11	pF
Grid No.1 to All Other Elements (except plate)		10	pF
Plate to Grid No.1		140	pF
Grid No.1 to Heater		<100	pF
Plate to Plate		<150	pF
Grid to Grid		<10	pF
Plate (Unit No.1) to Grid No.1 (Unit No.2)		<100	pF
Plate (Unit No.2) to Grid No.1 (Unit No.2)		<5	pF

**Class A<sub>1</sub> Amplifier**

MAXIMUM RATINGS (Design-Maximum Values)	Unit No.1	Unit No.2	
Plate Supply Voltage	550	550	volts
Plate Voltage	250	250	volts
Grid-No.2 (Screen-Grid) Supply Voltage	550	550	volts
Grid-No.2 Voltage	250	250	volts
Cathode Current	60	15	mA
Plate Dissipation	5	1.5	watts
Grid-No.2 Input	2.5	0.5	watts

**CHARACTERISTICS**

Plate Voltage	170	150	volts
Grid-No.2 Voltage	170	150	volts
Grid-No.1 (Control-Grid) Voltage	-2.6	-2.3	volts
Mu Factor, Grid-No.1 to Grid-No.2	38	35	
Internal Resistance	40	160	kohms
Transconductance	21000	8500	μmhos
Plate Current	30	10	mA
Grid-No.2 Current	6.5	3	mA

**MAXIMUM CIRCUIT VALUES**

Grid-No.1-Circuit Resistance	1	1	megohm
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**6Z4**

Refer to chart at end of section.  
For replacement use type 84/6Z4.

**6Z5**

Refer to chart at end of section.

**6Z7G**

Refer to chart at end of section.

**6Z10**

Refer to chart at end of section.