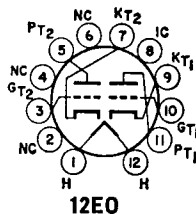|	
6FV8	Refer to chart at end of section.
6FV8A	Refer to chart at end of section. For replacement use type 6BR8A/6FV8A.
6FW5	Refer to chart at end of section.
6FW8	Refer to chart at end of section.
6FY5/EC97	Refer to chart at end of section.

6FY7   DUAL TRIODE

11FY7, 15FY7

Duodecar type used as combined vertical-deflection os-
cillator and vertical-deflection amplifier in television
receivers. Triode unit No.1 is used as an oscillator,
and triode unit No.2 is used as an amplifier. **Outlines
section, 8D**; requires duodecar 12-contact socket. Types
11FY7 and 15FY7 are identical with type 6FY7 except
for heater ratings.

12EO

	6FY7	11FY7	15FY7	
Heater Voltage (ac/dc)	6.3	11	14.7	volts
Heater Current	1.05	0.6	0.45	amperes
Heater Warm-up Time (Average)	—	11	11	seconds
Heater-Cathode Voltage:				
Peak value	±200 max	±200 max	±200 max	volts
Average value	100 max	100 max	100 max	volts

Class A₁ Amplifier

CHARACTERISTICS	Unit No.1	Unit No.2	
Plate Voltage	250	150	volts
Grid Voltage	—3	—17.5	volts
Amplification Factor	65	6	
Plate Resistance (Approx.)	40500	920	ohms
Transconductance	1600	6500	μmhos
Plate Current	1.4	35	mA
Grid Voltage (Approx.) for plate current of 30 μA ..	—5.5	—	volts
Grid Voltage (Approx.) for plate current of 50 μA ..	—	—36	volts
Plate Current (Approx.) for grid voltage of —25 volts	—	6	mA

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	330	275	volts
Peak Positive-Pulse Plate Voltage#	—	2000	volts
Peak Negative-Pulse Plate Voltage	400	250	volts
Peak Cathode Current	70	175	mA
Average Cathode Current	20	50	mA
Plate Dissipation	1	7†	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).
† A bias resistor or other means is required to protect the tube in absence of excitation.

6G6G	Refer to chart at end of section.
6G11	Refer to chart at end of section.
6GB3A	For replacement use type 6BQ6GTB/6CU6.
6GB5	Refer to chart at end of section.