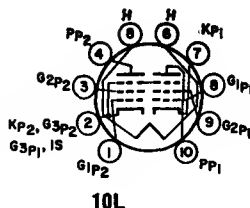


6AF9**DUAL PENTODE****11AF9**

Miniature type used in 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 11AF9 is identical with type 6AF9 except for heater ratings.



	6AF9	11AF9	
Heater Voltage (ac/dc)	6.3	11.5	volts
Heater Current	0.85	0.45	amperes
Peak Heater-Cathode Voltage	±200 max	±200 max	volts

Direct Interelectrode Capacitances:

	Unit No.1	Unit No.2	
Plate to All Other Electrodes (except grid No.1)	7	11	pF
Grid No.1 to All Other Electrodes (except plate)	12	10	pF
Plate to Grid No.1	0.105	0.140	pF
Grid No.1 to Heater	—	0.140	pF
Plate of Unit No.1 to Plate of Unit No. 2	0.150 max		pF
Grid No.1 of Unit No.1 to Grid No.1 of Unit No. 2	0.010 max		pF
Plate of Unit No.1 to Grid No.1 of Unit No.2	0.100 max		pF
Plate of Unit No.2 to Grid No.1 of Unit No.1	0.005 max		pF

Class A₁ 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	1.5	watts
Grid-No.2 Input	2.5	0.5	watts

CHARACTERISTICS

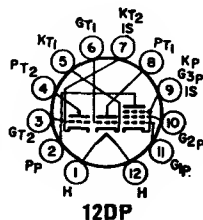
Plate Voltage	170	150	volts
Grid-No.2 Voltage	170	150	volts
Grid-No.1 (Control-Grid) Voltage	—2.6	—2.1	volts
Mu Factor, Grid No.1 to Grid No.2	38	38	
Internal Resistance	0.032	0.16	megohm
Transconductance	22000	8500	μmhos
Plate Current	30	10	mA
Grid-No.2 Current	7.2	3	mA

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance	1	1	megohm
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6AF11**DUAL TRIODE—
SHARP-CUTOFF PENTODE****15AF11**

Duodecar type used in television receiver applications. The high-mu triode unit is used for agc keyer service, the medium-mu triode unit for sync separator service, and the pentode unit for video amplifier service. Outlines section, 8C; requires duodecar 12-contact socket. Type 15AF11 is identical with type 6AF11 except for heater ratings.



	6AF11	15AF11	
Heater Voltage (ac/dc)	6.3	14.7	volts
Heater Current	1.05	0.45	amperes
Heater Warm-up Time (Average)	—	11	seconds
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	100 max	volts