

6AE5GT

Refer to chart at end of section.

6AE6G

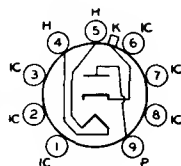
Refer to chart at end of section.

6AE7GT

Refer to chart at end of section.

6AF3**12AF3****HALF-WAVE
VACUUM RECTIFIER**

Miniature type used as a damper tube in horizontal-deflection circuits of television receivers. Outlines section, 7C; requires miniature 9-contact socket. Socket terminals 1, 2, 3, 6, 7, and 8 should not be used as tie points. It is especially important that this tube, like other power-handling tubes, be adequately ventilated. Type 12AF3 is identical with type 6AF3 except for heater ratings.

**9CB**

	6AF3	12AF3	
Heater Voltage (ac/dc)	6.3	12.6	volts
Heater Current	1.2	0.6	amperes
Heater Warm-up Time (Average)	—	11	seconds

Damper Service

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

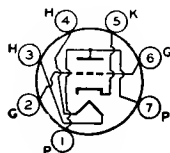
MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#		4500	volts
Peak Plate Current		750	mA
Average Plate Current		185	mA
Bulb Temperature (At hottest point)		210	°C
Heater-Cathode Voltage:			
Peak value	+300	—4500	volts
Average value	+100	—1000	volts

Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

6AF4**6AF4A****2AF4B/2DZ4,
3AF4A/3DZ4****MEDIUM-MU TRIODE**

Miniature types used as local oscillators in uhf television receivers covering the frequency range of 470 to 890 MHz. Outlines section, 5C and 5B, respectively; requires miniature 7-contact socket. Types 2AF4B/2DZ4 and 3AF4A/3DZ4 are identical with type 6AF4A except for heater and heater-cathode ratings.

**7DK**

	2AF4B/ 2DZ4	3AF4A/ 3DZ4	6AF4 6AF4A	
Heater Voltage (ac/dc)	2.35	3.15	6.3	volts
Heater Current	0.6	0.45	0.225	ampere
Heater Warm-up Time (Average)	11	11	—	seconds
Heater-Cathode Voltage:				
Peak value	±180 max	±50 max	±50 max	volts
Average value	100 max	25 max	25 max	volts
Direct Interelectrode Capacitances:*				
Grid to Plate			1.9	pF
Grid to Cathode and Heater			2.2	pF
Plate to Cathode and Heater			1.4	pF
Heater to Cathode (External Shield connected to plate)			2.2	pF

* With external shield connected to cathode, except as noted.

Class A₁ Amplifier**CHARACTERISTICS**

Plate Supply Voltage	80	volts
Cathode-Bias Resistor	150	ohms
Amplification Factor	13.5	
Plate Resistance (Approx.)	2100	ohms
Transconductance	6500	μmhos
Plate Current	17.5	mA