

UHF Oscillator

MAXIMUM RATINGS (Design-Maximum Values)

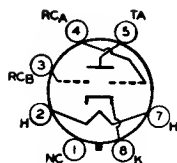
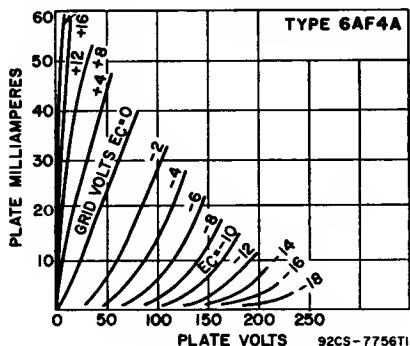
Plate Voltage	150	volts
Grid Voltage, Negative-bias value	50	volts
Grid Current	2	mA
Plate Dissipation	2.5	watts
Average Cathode Current	24	mA

TYPICAL OPERATION AS OSCILLATOR AT 1000 MHz

Plate Supply Voltage	100	volts
Plate Resistor	220	ohms
Grid Resistor	10000	ohms
Plate Current	17	mA
Grid Current (Approx.)	750	μ A

MAXIMUM CIRCUIT VALUES

Grid-Circuit Resistance:		
For fixed-bias operation		Not recommended
For cathode-bias operation	0.5	megohm

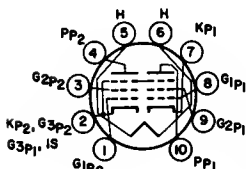


7AG

socket. Heater: volts (ac/dc), 6.3; amperes, 0.15. Maximum ratings in indicator service: fluorescent-target volts, 250 max, 125 min; ray-control-electrode supply volts, 250 max; peak heater-cathode volts, 90 max. Typical operation: fluorescent-target volts, 250; fluorescent-target mA, 3.75; ray-contact-electrode volts (approx. for 0° shadow angle), 155; ray-control-electrode volts (approx. for 100° shadow angle), 0.

ELECTRON-RAY TUBE

6AF6G



10L

DUAL PENTODE

6AF9

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.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.85	ampere
Peak Heater-Cathode Voltage	± 200 max	volts