

Class A₁ Amplifier

CHARACTERISTICS

Plate Supply Voltage	80	volts
Plate Resistor	2700	ohms
Amplification Factor	14	
Plate Resistance (Approx.)	2000	ohms
Transconductance	6700	μ mhos
Plate Current	15	mA
Grid Voltage (Approx.) for plate current of 20 μ A	-11	volts

UHF Oscillator

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	135	volts
Grid Voltage, Negative-bias value	50	volts
Grid Current	2	mA
Cathode Current	20	mA
Plate Dissipation	2.3	watts

TYPICAL OPERATION AS OSCILLATOR AT 1000 MHz

Plate Supply Voltage	135	volts
Plate-Circuit Resistance	2700	ohms
Grid Resistor	10000	ohms
Plate Current	15.5	mA
Grid Current (Approx.)	800	μ A

MAXIMUM CIRCUIT VALUES

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

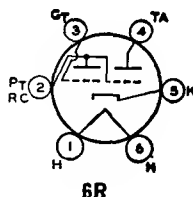
6DZ7

Refer to chart at end of section.

6E5

ELECTRON-RAY TUBE

Glass type used to indicate the effects of a change in a controlling voltage. It is used to indicate accurate radio-receiver tuning. Outlines section, 13H; requires 6-contact socket. Heater: volts (ac/dc), 6.3; amperes, 0.3. For additional considerations, refer to Tuning Indication with Electron-Ray Tubes in Electron Tube Applications section.



Tuning Indicator

MAXIMUM AND MINIMUM RATINGS (Design-Center Values)

Plate-Supply Voltage	250 max	volts
Target Voltage	{ 250 max	volts
	{ 125 min	volts

TYPICAL OPERATION

Plate and Target Supply Voltage	200	250	volts
Series Triode-Plate Resistor	1	1	megohm
Target Current**†	3	4	mA
Triode-Plate Current*	0.19	0.24	mA
Triode-Grid Voltage (Approx.):			
For shadow angle of 0°	-6.5	-8	volts
For shadow angle of 90°	0	0	volts

* For zero triode-grid voltage.

† Subject to wide variations.

6E6

Refer to chart at end of section.

6E7

Refer to chart at end of section.

6EA4

Refer to chart at end of section.

6EA5

Refer to chart at end of section.
For replacement use type 6CY5.