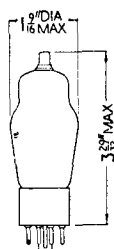
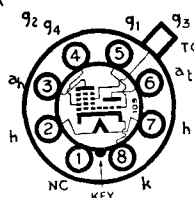


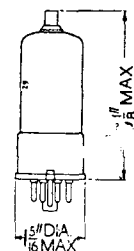
TYPES 6K8G, 6K8GT (OCTAL BASE)



6K8G.



Note.—Type 6K8GT has Pin 1 connected to metal shell.



6K8GT.

TRIODE-HEXODE FREQUENCY CHANGERS

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.3 amp.
Hexode Anode (a_h) Voltage	...	...	...	...	...	300 volts max.
Hexode Anode Dissipation	...	...	...	...	...	0.75 watts max.
Hexode Screen (g_2, g_4) Voltage	...	...	...	...	...	150 volts max.
Hexode Screen Dissipation	...	...	...	...	...	0.7 watts max.
Triode Anode (a_t) Voltage	...	...	...	...	...	125 volts max.
Triode Anode Dissipation	...	...	...	...	...	0.75 watts max.
Total Cathode Current	...	...	...	...	...	16 mA max.

OPERATION AS FREQUENCY CHANGER

Hexode Anode Voltage	...	...	...	100	250	volts
Hexode Anode Current	...	...	...	2.3	2.5	mA
Hexode Screen Voltage	...	...	...	100	100	volts
Hexode Screen Current	...	...	...	6.2	6.0	mA
Hexode Control Grid (g_3) Voltage	...	...	...	-3	-3	volts
Cathode Bias Resistor	...	...	...	220	300	ohms
Hexode Anode Impedance	...	...	...	0.4	0.6	meg.
Triode Anode Supply Voltage	...	...	...	100	250	volts
Triode Anode Voltage	...	...	...	100	100	volts
Triode Anode Resistor	...	...	...	—	40,000	ohms
Triode Anode Current	...	...	...	3.8	3.8	mA
Triode Grid (g_1) Resistor	...	...	...	50,000	50,000	ohms
Triode Grid Current	...	...	...	0.15	0.15	mA
Conversion Conductance	...	...	...	0.33	0.36	mA/V
Hexode Control Grid Voltage	...	...	...	-30	-30	volts

(For conversion of 0.002 mA/V)

INTER-ELECTRODE CAPACITANCES *

R.F. Input (g_3 to all except a_h)	...	...	...	4.6	pF
I.F. Output (a_h to all except g_3)	...	...	...	4.8	pF
Oscillator Input (g_1 to all except a_t)	...	...	...	6.5	pF
Oscillator Output (a_t to all except g_1)	...	...	...	3.4	pF
Control Grid (g_3) to Oscillator Grid (g_1)	...	...	...	0.2	pF max.
Control Grid (g_3) to Oscillator Anode (a_t)	...	...	...	0.05	pF max.
Control Grid (g_3) to Hexode Anode (a_h)	...	...	...	0.08	pF max.
Oscillator Grid (g_1) to Oscillator Anode (a_t)	...	...	...	1.8	pF

* With close fitting shield connected to Cathode.