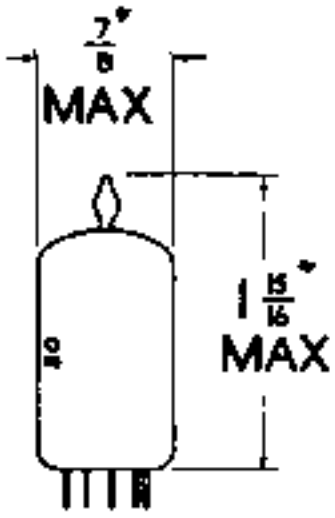
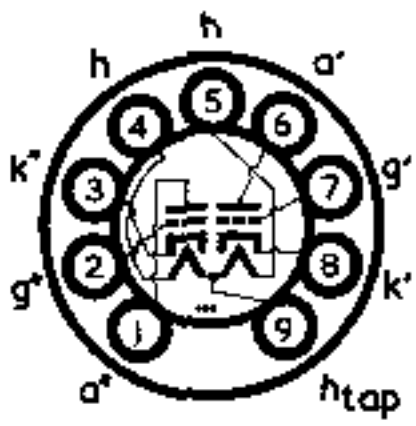
VALVES

BRIMAR



TYPE 6060
TRUSTWORTHY
MINIATURE HIGH SLOPE
DOUBLE TRIODE



The separate cathode connections and tapped heater features enable the 6060 to be used in a variety of applications. As a frequency changer it will operate at frequencies up to 500 Mc/s.

RATINGS

Heater Voltage	6.3	or 12.6	volts
Heater Current	0.3	or 0.15	amp.
Anode Voltage	300		volts max.
Anode Dissipation (each section)	2.5		watts
D.C. Cathode Current (each section)	20		mA max.
Anode Voltage (zero anode current)	550		volts max.

OPERATING CHARACTERISTICS (EACH SECTION)

Va = 250 V, Vg = 0 V, Rk = 200 ohms, Ck = 1,000 μF, Vh = 12.6 V (series connection).

	Min.	Bogey	Max.	
Anode Current	7	10	14	mA
Anode Impedance	—	10,900	—	ohms
Mutual Conductance	4.5	5.5	6.5	mA/V
Amplification Factor	50	60	70	
Grid Voltage (for Anode Current = 10 μA)	—	—	—20	volts

OPERATION AS FREQUENCY CHANGER

Oscillator Section

Anode Supply Voltage	250	volts
Anode Decoupling Resistor	1,000	ohms
Grid Resistor	10,000	ohms

Mixed Section

Anode Supply Voltage	250	volts
Anode Decoupling Resistor	1,000	ohms
Cathode Bias Resistor	680	ohms
*Conversion Conductance	2.5	mA/V
†Heterodyne Voltage	(see note)	

* *Exact value depends on circuit constants and input impedance considerations.*

† *Heterodyne voltage should be just less than that required to cause grid current in the mixer section.*

INTER-ELECTRODE CAPACITANCES**

Anode to Anode (max.)	0.33	pF
Each Section		
C in (nom.)	2.5	pF
C out (nom.)	0.4	pF
Ca–g (nom.)	1.6	pF

** *Measured with no external shield.*

Type 6060 is a commercial equivalent to CV4024.