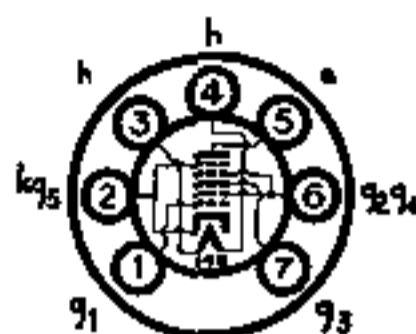


TYPE 5750
TRUSTWORTHY
MINIATURE HEPTODE
FREQUENCY CHANGER



The BRIMAR 5750 is a trustworthy heptode which may be employed as a self-oscillating frequency changer at frequencies exceeding 60 Mc/s, with excellent frequency stability.

RATINGS

Heater Voltage	...	...	...	...	...	6.3	volts
Heater Current	...	...	...	...	...	0.3	amp.
Anode Voltage	...	...	...	...	...	300	volts max.
Anode Dissipation	...	...	...	...	...	1.0	watt max.
Screen ($g_2 + g_4$) Voltage	...	...	...	...	...	100	volts max.
Screen Dissipation	...	...	...	...	...	1.0	watt max.
Total Cathode Current	...	...	...	...	...	14	mA max.

OPERATING CHARACTERISTICS (SEPARATE EXCITATION)

$V_h = 6.3$, $V_a = 250$, $V_{g_1} = 0$, $V_{g_2 + g_4} = 100$, $V_{g_3} = -1.5$

	Min.	Bogey	Max.	
Anode Current	1.9	3.0	4.1	mA
Screen Current	5.2	7.5	9.8	mA
Anode Impedance	—	1.0	—	MΩ
Oscillator Grid (g_1) Current	—	0.5	—	mA
Oscillator Grid Resistor	—	20,000	—	ohms
Oscillator Mutual Conductance	5.5	7.25	9.0	mA/V
Conversion Conductance	0.280	0.475	0.750	mA/V
Control Grid Voltage	—	-30	—	volts

(For Conversion Conductance of 0.001 mA/V)

INTER-ELECTRODE CAPACITANCES*

C in (nom.)	...	...	...	...	...	7.5	pF
C out (nom.)	...	...	...	...	...	13.5	pF
C_{a, g_3} (max.)	...	...	...	...	...	0.35	pF

* Measured with external shield.

Type 5750 is a commercial equivalent to CV4012.