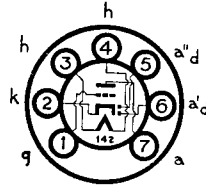
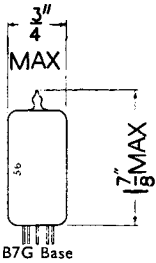


Current Equipment Type

**TYPE 12AT6
MINIATURE
DOUBLE DIODE
TRIODE
RATINGS**

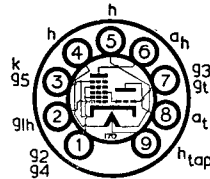
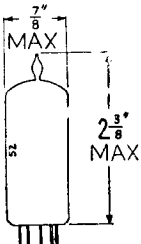


Heater Voltage 12.6 volts Heater Current 0.15 amp.

For further information and characteristic curves refer to type 6AT6.

Current Equipment Type

**TYPE 12AH8
MINIATURE
TRIODE-HEPTODE
FREQUENCY CHANGER**



B9A (Noval) Base

The Brimar 12AH8 is a triode-heptode frequency changer on the Noval (B9A) base, featuring high conversion conductance, conversion impedance and oscillator mutual conductance. The centre tapped heater permits operation from either 6.3 or 12.6 volts, enabling the same valve to be used in both A.C. and A.C./D.C. equipment.

RATINGS

Heater Voltage	6.3	} or {	12.6 volts
Heater Current	0.3			0.15 amp.
Heptode Anode Voltage ... ..	... 300 volts max.		
Heptode Screen (g_3 , g_4) Voltage ... ..	... 125 volts max.		
Triode Anode Voltage ... ..	... 150 volts max.		
Total Cathode Current ... ..	... 17.5 mA max.		

OPERATING CHARACTERISTICS

Heptode Anode Voltage	100	250 volts
Heptode Anode Current	2.5	2.6 mA
Heptode Screen Voltage	100	100 volts
Heptode Screen Current	4.5	4.4 mA
Signal Grid (g_1) Voltage	-3	-3 volts
Cathode Bias Resistor	220	220 ohms
Heptode Anode Impedance	0.6	1.5 meg.
Triode Anode Supply Voltage	100	250 volts
Triode Anode Resistor	0	27,000 ohms
Triode Anode Voltage	100	100 volts
Triode Anode Current	5.7	5.7 mA
Triode Grid Current	0.2	0.2 mA
Triode Grid Resistor	47	47 kilohms
Conversion Conductance	0.52	0.55 mA/V.
Conversion Conductance for $V_{g1} = -22$ volts	0.005	0.005 mA/V.
Equivalent Noise Resistance	100,000	100,000 ohms approx.
*Triode Mutual Conductance	3.5	3.5 mA/V.
*Triode Amplification Factor	17	17

* Taken at $V_{at} = 100$ v. $V_{gt} = 0$ v.

INTER-ELECTRODE CAPACITANCES

(with external close fitting shield)

R.F. Input (g_1 -all) ... ..	...	...	...	5.0	pF
I.F. Output (a_3 -all) ... ..	...	...	...	8.0	pF
Triode Input ... ..	...	...	...	7.0	pF
Triode Output ... ..	...	...	...	2.5	pF
Heptode Grid to Heptode Anode (g_1 - a_3) ... ..	...	...	...	0.025	pF
Triode Grid to Triode Anode (g_1 - a_1) ... ..	...	...	...	1.2	pF

