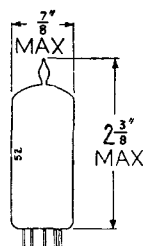
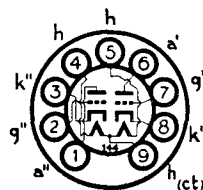


Current Equipment Type



B9A (Noval) Base

TYPE 12BH7
MINIATURE
DOUBLE TRIODE
(LOW-MU)



The BRIMAR type 12BH7 is a double triode with two independent low impedance units. It is designed particularly for television application, where one valve is suitable for use as frame oscillator and output stages for wide angle deflection cathode ray tubes.

RATINGS

Heater Voltage	...	...	...	...	...	6.3	} or {	12.6 volts
Heater Current	...	...	...	...	...	0.6		0.3 amp.
Direct Anode Voltage as Frame Scan Output Valve	...	...	...	...	...	...		500 volts max.
Direct Anode Voltage as Class A Amplifier	...	...	...	...	...	...		300 volts max.
Anode Dissipation, each section	...	...	...	...	...	...		3.5 watts max.
Cathode Current, each section	...	...	...	...	...	...		20 mA max.
*Peak Positive Pulse Anode Voltage	...	...	...	...	...	...		1,500 volts max.
*Peak Negative Pulse Grid Voltage	...	...	...	...	...	...		220 volts max.
Peak Cathode Current, each section	...	...	...	...	...	...		70 mA max.

OPERATING CHARACTERISTICS

(As Class A Amplifier, each section)

Anode Voltage	...	...	...	...	...	85	250	volts
Anode Current	...	...	...	...	...	20	11.5	mA
Grid Voltage	...	...	...	...	...	0	-10.5	volts
Mutual Conductance	...	...	...	...	...	6.2	3.1	mA/V
Amplification Factor	...	...	...	...	...	21	17	
Anode Impedance	...	...	...	...	...	3,400	5,500	ohms
Grid Voltage for Cut-off	...	...	...	...	...	-8	-20	volts

INTER-ELECTRODE CAPACITANCES †

Anode 1 to Anode 2 ($c_{a', a''}$)	...	...	...	...	...	...	0.9 pF
Each Section :							
Input (c_{in})	...	...	...	...	...	...	3.0 pF
Output (c_{out})	...	...	...	...	...	...	0.8 pF
Grid to Anode ($c_{g, a}$)	...	...	...	...	...	...	2.4 pF

* The duty cycle must not exceed 15 per cent of the scanning cycle, and its duration must not exceed 3 milli-seconds. Ratings are absolute values.

† No external shield.

