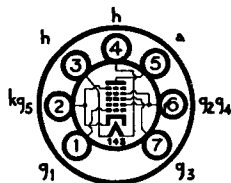


TYPE 7032

GATING HEPTODE



The BRIMAR 7032 is a miniature heptode with short grid base characteristics on grid 1 and grid 3. It is of Trustworthy construction and is intended for use in computers as a gating valve or in similar applications. The cathode has been designed to give good life and reliability when used for long periods under cut-off conditions.

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.3 amps.
Anode Voltage	...	...	...	...	...	300 volts max.
Anode Dissipation	...	...	...	...	...	1 watt max.
Screen Voltage	...	...	...	...	...	100 volts max.
Screen Voltage ($ig_2 = 0$)	...	...	...	...	...	300 volts max.
Screen Dissipation	...	...	...	...	...	1.2 watts max.
Grid 3 Voltage	...	...	...	...	...	0 volts max.
Grid 3 Voltage	...	...	...	...	...	—50 volts min.
Cathode Current	...	...	...	...	...	14 mA max.
Heater to Cathode Voltage	...	...	...	...	...	100 volts max.
Shock (Intermittent Service)	...	...	...	...	...	500 g.
Vibration (Continuous Service)	...	...	...	...	...	2½ g.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	250	250	250	volts
Screen Voltage	...	...	...	...	100	100	100	volts
Grid 1 Voltage	...	...	...	...	—8	—2	—2	volts
Grid 3 Voltage	...	...	...	...	0	13	0	volts
Anode Current	...	...	...	...	0.01	0.05	4.5	mA
Screen Current	...	...	...	...	0.04	11.3	7.2	mA
Mutual Conductance, Grid 1 to Anode	...	...	...	...	—	—	1.8	mA/V
Mutual Conductance, Grid 3 to Anode	...	...	...	...	—	—	0.5	mA/V
Amplification Factor, Grid 1 to Grid 2...	...	...	...	...	—	—	22	

INTER-ELECTRODE CAPACITANCES *

Grid 3 to Anode	...	...	...	...	...	0.35 pF max.
Anode to All	...	...	...	...	...	13.5 pF
Grid 3 to All	...	...	...	...	...	7.5 pF
Grid 1 to Grid 3	...	...	...	...	...	0.15 pF max.

* Measured with external shield.