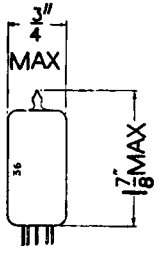
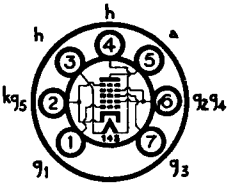
7032

Industrial Type



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)	$2\frac{1}{2}$ 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.*