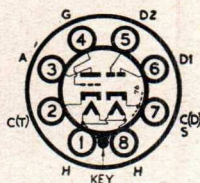


TYPE 7K7 (LOCTAL BASE) DOUBLE DIODE TRIODE



The BRIMAR type 7K7 is an indirectly heated double diode triode valve of the "all glass" construction, fitted with a lock-in type base. A separate cathode connection is provided for the triode section, permitting unconventional circuit arrangements if desired.

RATINGS

Heater Voltage	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	0.3 amp.
Anode Voltage	...	...	...	...	...	...	250 volts
Anode Dissipation	...	...	...	...	...	...	1.0 watt

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	...	250 volts
Anode Current	...	...	...	...	...	...	2.3 mA
Control Grid Voltage	...	...	...	...	...	...	-2 volts
Cathode Bias Resistor	...	...	...	...	...	...	1,000 ohms
Anode Impedance	...	...	...	...	...	...	44,000 ohms
Mutual Conductance	...	...	...	...	...	...	1.6 mA/V
Amplification Factor	...	...	...	...	...	...	70

RESISTANCE COUPLED OPERATION

Anode Supply Voltage	...	...	...	...	...	100	250 volts
Anode Load Resistor	...	...	...	...	...	0.25	0.25 meg.
Cathode Bias Resistor	...	...	...	...	...	4,700	3,300 ohms
Peak Output	...	...	...	...	...	21	62 volts
Voltage Gain	...	...	...	...	...	23	50

INTER-ELECTRODE CAPACITANCES

Input (Grid to all except Anode)	...	...	...	...	...	...	1.7 pF
Output (Anode to all except Grid)	...	...	...	...	...	...	1.6 pF
Grid to Anode	...	...	...	...	...	...	1.65 pF
Diode 1 to Cathode (Cd)	...	...	...	...	...	...	1.2 pF
Diode 2 to Cathode (Cd)	...	...	...	...	...	...	1.3 pF
Diode 1 to Diode 2	...	...	...	...	...	...	0.12 pF
Diode Cathode (Cd) to Heater	...	...	...	...	...	...	4.7 pF
Triode Cathode (Ct) to Heater	...	...	...	...	...	...	4.2 pF

For characteristic curves refer to type 6SL7GT.