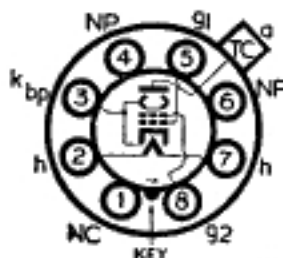


Current Equipment Type

TYPE 50CD6G (OCTAL BASE) LINE TIME BASE OUTPUT VALVE



The BRIMAR 50CD6G is designed for television line time base output service in receivers using series connected heaters. It is capable of scanning wide angle cathode ray tubes when supplied from relatively low H.T. rails, and features high anode current at low anode voltage, and a high ratio of anode to screen current.

RATINGS

Heater Voltage	...	...	...	...	...	...	50 volts
Heater Current	...	...	...	...	...	...	0.3 amp.
Direct Anode Voltage	...	...	...	...	...	...	700 volts max.
*Peak Positive Anode Pulse Voltage	...	...	...	...	...	...	6,600 volts max.
Anode Dissipation	...	...	...	...	...	...	15 watts max.
Direct Screen (g_2) Voltage	...	...	...	...	...	...	175 volts max.
Screen Dissipation	...	...	...	...	...	...	3 watts max.
Direct Control Grid (g_1) Voltage	...	...	...	...	...	...	-50 volts max.
*Peak Negative Control Grid Voltage	...	...	...	...	...	...	-200 volts max.
Heater to Cathode Potential	...	...	...	...	...	...	250 volts max.
Direct Cathode Current	...	...	...	...	...	...	200 mA max.
Peak Cathode Current	...	...	...	...	...	...	700 mA max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	...	200 volts
Anode Current	...	...	...	...	...	...	64 mA
Screen Voltage	...	...	...	...	...	...	150 volts
Screen Current	...	...	...	...	...	...	3 mA
Control Grid Voltage	...	...	...	...	...	...	-30 volts
Mutual Conductance	...	...	...	...	...	...	6.7 mA/V
Inner Amplification Factor (μ_{g_1, g_2})	...	...	...	...	...	...	3.5

INTER-ELECTRODE CAPACITANCES

Input (C_{in})	...	...	...	...	...	...	26 pF
Output (C_{out})	...	...	...	...	...	...	10 pF
Anode to Grid ($C_{g_1, a}$)	...	...	...	...	...	...	1.0 pF

* The duty cycle must not exceed 15 per cent. of the scanning cycle, and its duration must not exceed 15μ seconds.

50CD6G

