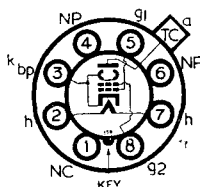


Current Equipment Type

TYPE 6CD6G (OCTAL BASE) LINE TIME BASE OUTPUT VALVE



The BRIMAR 6CD6G is designed for television line time base output service in applications where the power requirements are greater than can be satisfied by the 6BG6G. Its features include high anode current at low anode voltage, and high ratio of anode to screen current. Type 6CD6G is suitable for scanning wide angle cathode ray tubes up to 21" in size. When used in conjunction with type 6U4GT, efficient operation may be secured at low H.T. rail voltages.

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	2.5 amps.
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.

