

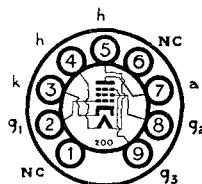
B9A (Noval) Base

Current Equipment Type

TYPE 6CH6

(Previously Coded 7D10)

MINIATURE VIDEO OUTPUT PENTODE



The BRIMAR type 6CH6 is a miniature high slope pentode suitable for video amplification where more power is required than is obtainable from normal R.F. pentodes. Its high anode dissipation and current rating make it suitable for working into loads of low impedance and high self capacity.

RATINGS

Heater Voltage	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	0.75 amp.
Anode Voltage	...	...	...	...	...	...	275 volts max
Screen (g_2) Voltage	...	...	...	...	...	...	275 volts max.
Anode Dissipation	...	...	...	...	...	...	12 watts max.
Screen Dissipation	...	...	...	...	...	...	2.5 watts max.
D.C. Cathode Current	...	...	...	...	...	...	60 mA max.
Max. Peak Cathode Current (Absolute)	...	...	...	...	...	...	1.5 amps.*
Max. Control Grid Circuit Resistance	...	...	...	...	...	...	0.1 meg.†

* The duration of circuit flow must not exceed 2μ secs. and must not be greater than 5 per cent of the duty cycle.

† This value may be increased to 220,000 ohms if autobias is employed.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	...	250 volts
Anode Current	...	...	...	...	...	...	40 mA
Screen Voltage	...	...	...	...	...	...	250 volts
Screen Current	...	...	...	...	...	...	6 mA
Control Grid Voltage (V_{g1})	...	...	...	...	...	...	-4.5 volts
Mutual Conductance	...	...	...	...	...	...	11 mA/V
Anode Impedance	...	...	...	...	...	...	50,000 ohms
Inner Amplification Factor ($\mu_{g1, g2}$)	...	...	...	...	...	...	26

INTER-ELECTRODE CAPACITANCES **

Input (C_{in})	...	...	...	...	...	...	14 pF
Output (C_{out})	...	...	...	...	...	...	5 pF
Grid to Anode ($C_{a, g1}$)	...	...	...	...	...	...	0.25 pF

** No external shield.

Type 6CH6 is a commercial equivalent of the CV2127.

