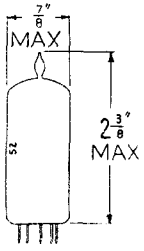


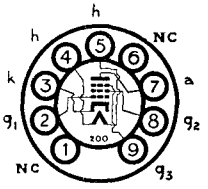
B9A (Noval) Base

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

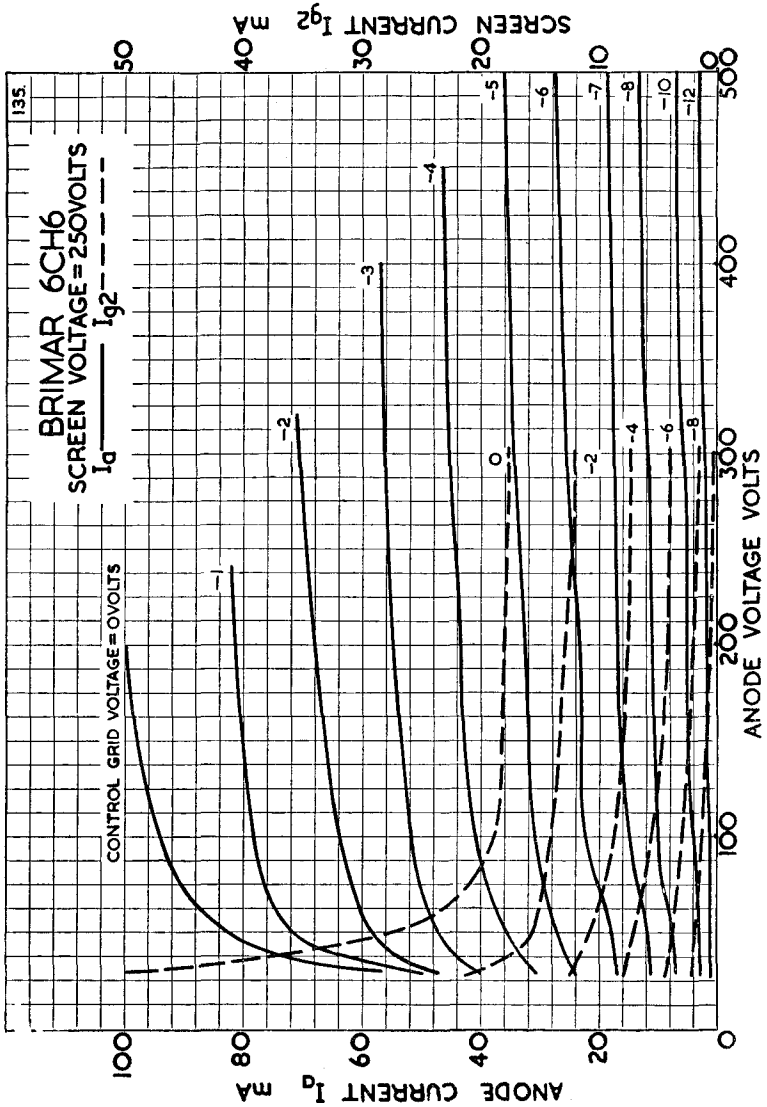
Anode Voltage	250 volts
Anode Current	40 mA
Screen Voltage	250 volts
Screen Current	6 mA
Control Grid Voltage (V_{g1})	-4.5 volts
Mutual Conductance	11 mA/V
Anode Impedance	50,000 ohms
Inner Amplification Factor ($\mu_{g1,g2}$)	26

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.


BRIMAR 6CH6
SCREEN VOLTAGE = 250VOLTS
Ia
Ig2
CONTROL GRID VOLTAGE = 0VOLTS
135
ANODE CURRENT Ia mA
SCREEN CURRENT Ig2 mA
ANODE VOLTAGE VOLTS
0
20
40
60
80
100
10
30
50
100
200
300
400
500
-1
-2
-3
-4
-5
-6
-7
-8
-10
-12
0
-2
-4
-6
-8