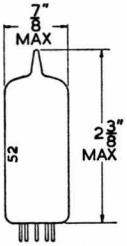
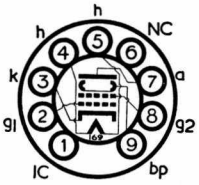
BRIMAR VALVES



TYPE 6132
TRUSTWORTHY MINIATURE VIDEO OUTPUT PENTODE



The BRIMAR type 6132 is a miniature high slope pentode suitable for video amplification when 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.
Maximum Peak Cathode Current (absolute)	1.5	amp.*
Maximum Control Grid Circuit Resistance ...	0.1	MΩ†

* *The duration of current flow must not exceed 2 μsecs. 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

$Vh = 6.3$, $Va = 250$, $Vg_2 = 250$, $Vg_1 = -4.5$, $Vg_3 = 0$.

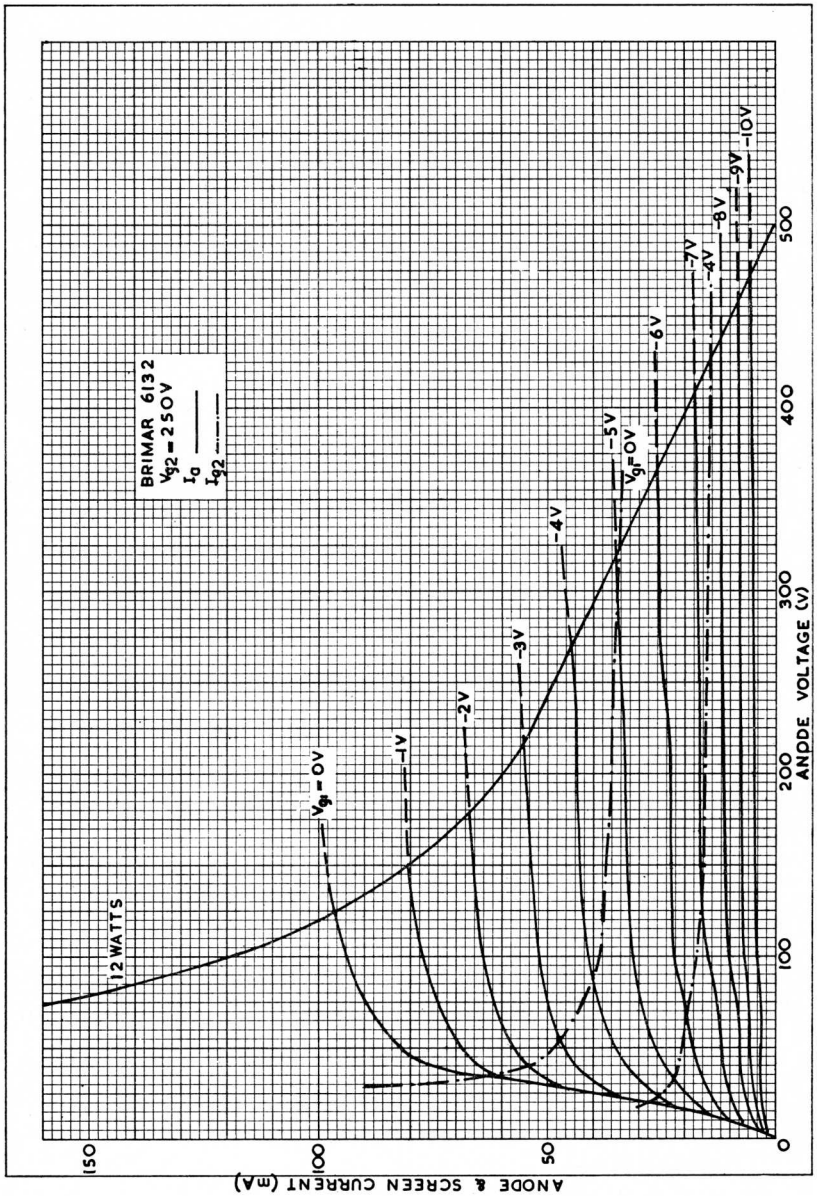
	Min.	Bogey	Max.	
Anode Current ...	30	40	50	mA
Screen Current ...	—	6	7.5	mA
Mutual Conductance	9	11	13.5	mA/V
Anode Impedance	—	50,000	—	ohms
Inner Amplification Factor	20	26	32	

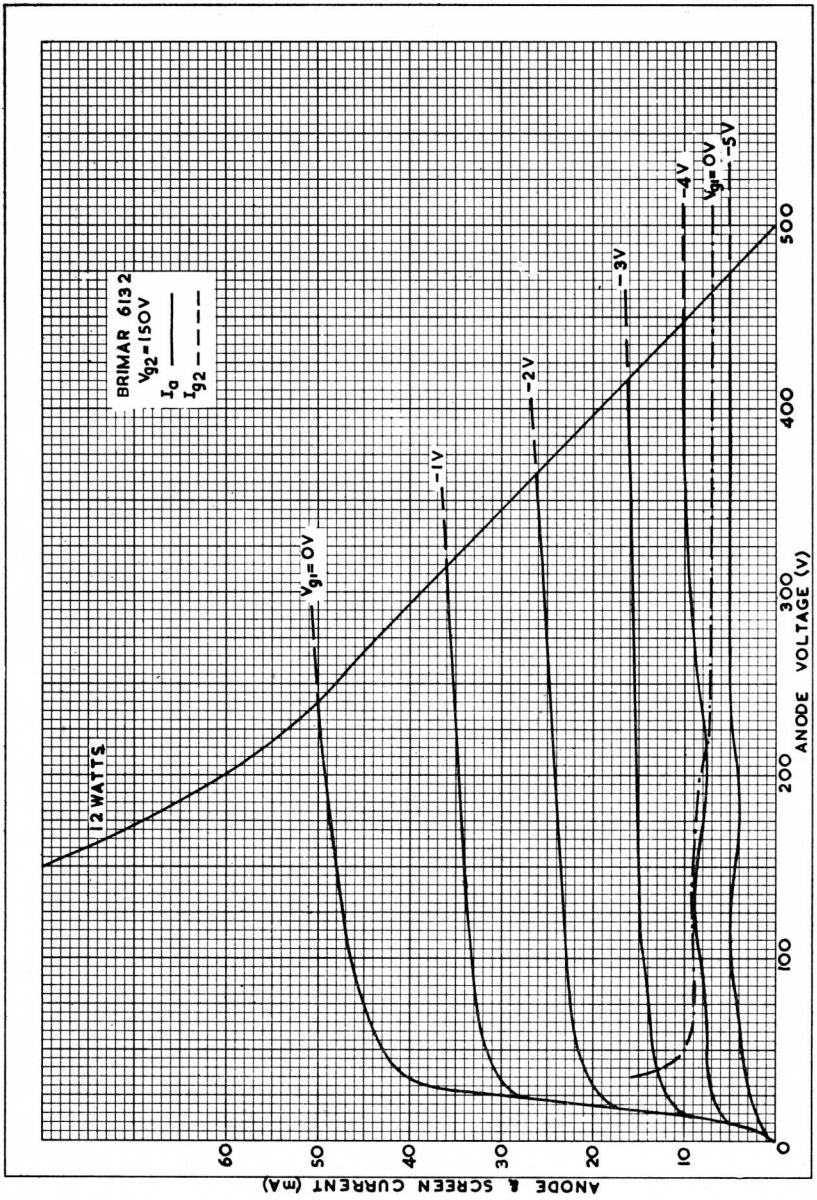
INTER-ELECTRODE CAPACITANCES**

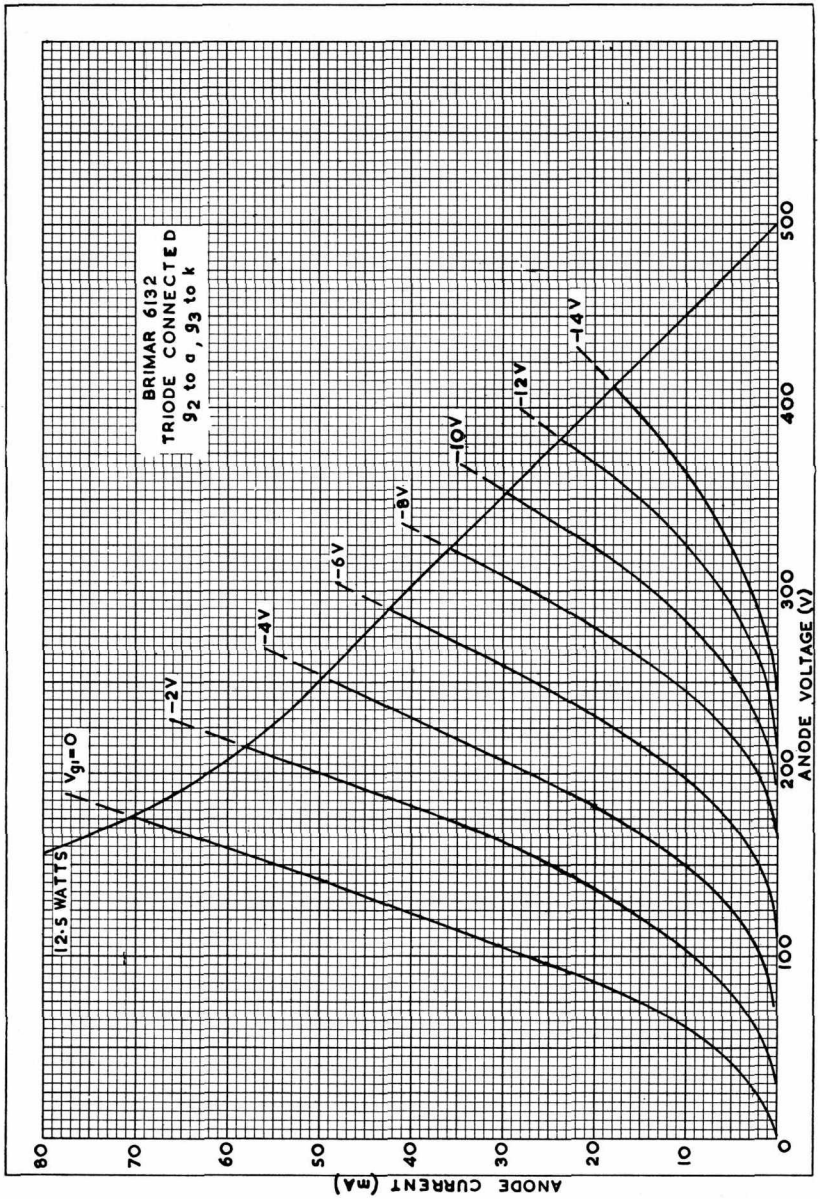
Input	12.5	pF
Output	5.0	pF
Grid to Anode (max.)	0.18	pF

** *No external shield.*

Type 6132 is a commercial equivalent to the CV4055.


BRIMAR 6132
V_{g2} = 250V
I_a
I_{g2}
12 WATTS
V_{g1} = 0V
-1V
-2V
-3V
-4V
-5V
-6V
-7V
-8V
-9V
-10V
ANODE VOLTAGE (V)
0
100
200
300
400
500
ANODE & SCREEN CURRENT (mA)
0
50
100
150


BRIMAR 6132
V_{g2}=150V
I_a
I_{g2}
12 WATTS
V_{g1}=0V
-1V
-2V
-3V
-4V
V_{g1}=0V
-5V
0
100
200
300
400
500
ANODE VOLTAGE (V)
0
10
20
30
40
50
60
ANODE & SCREEN CURRENT (mA)


BRIMAR 6132
TRIODE CONNECTED
g_2 to a, g_3 to k
12·5 WATTS
$V_{g1}=0$
−2V
−4V
−6V
−8V
−10V
−12V
−14V
0
100
200
300
400
500
ANODE VOLTAGE (V)
0
10
20
30
40
50
60
70
80
ANODE CURRENT (mA)