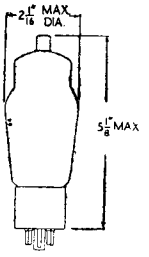
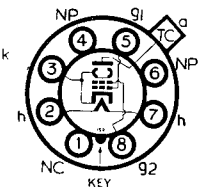


Replacement Type

TYPE **6BG6G**
(OCTAL BASE)
LINE TIME BASE
OUTPUT VALVE



BRIMAR type 6BG6G is designed for use in the output stages of line time base generators in A.C. television receivers. The valve may be used in conjunction with BRIMAR type R12 rectifier to provide EHT from line fly-back pulses. For A.C./D.C. type television receivers the 19BG6G should be employed.

RATINGS

Heater Voltage	6.3 volts
Heater Current	0.9 amp.
Direct Anode Voltage	700 volts max.
Positive Surge Anode Voltage	6,000 volts max.*
Direct Anode Current	100 mA max.
Anode Dissipation	20 watts max.
Direct Screen (g_2) Voltage	350 volts max.
Screen Dissipation	3.2 watts max.
Direct Control Grid (g_1) Voltage	–50 volts max.
Negative Surge Control Grid Voltage	–400 volts max.*
Control Grid to Cathode Resistance	1.0 meg. max.
Heater to Cathode Potential	250 volts max.
Peak Cathode Current	300 mA. max.

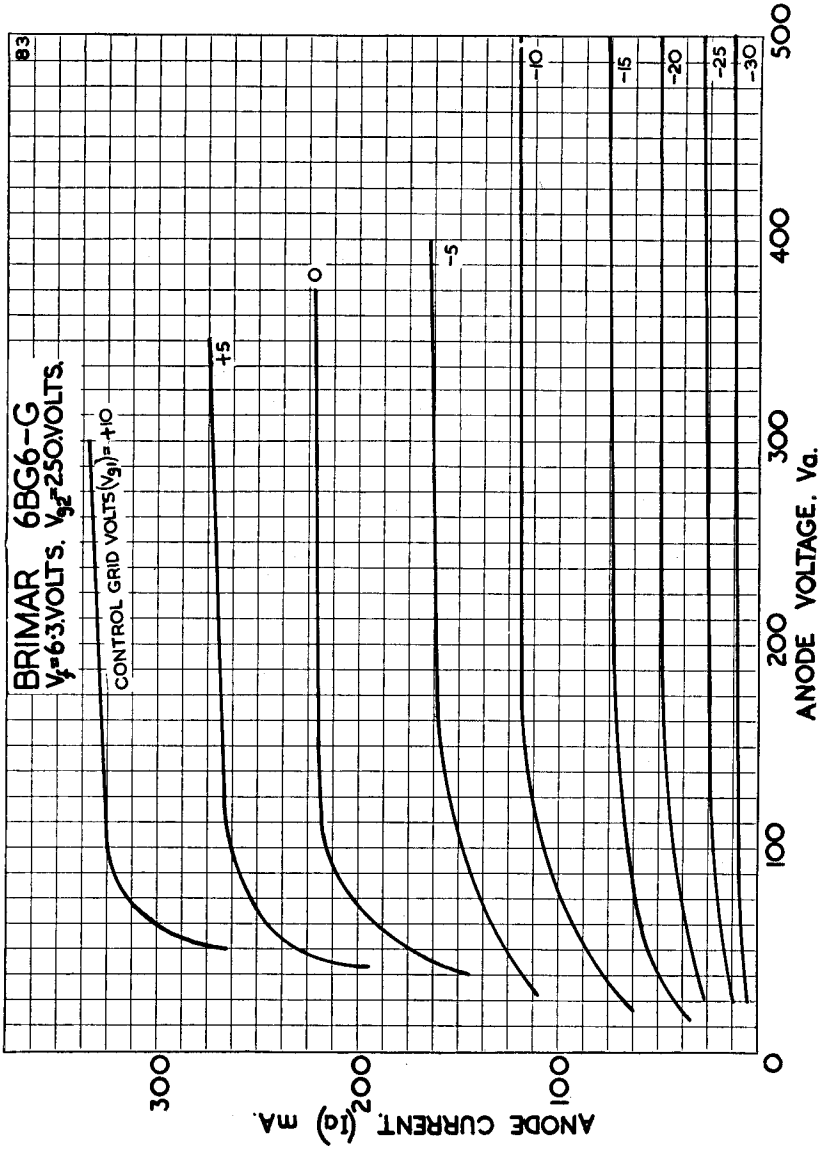
CHARACTERISTICS

Anode Voltage	300 volts
Anode Current	60 mA
Screen Voltage	250 volts
Screen Current	4 mA
Control Grid Voltage	–18 volts
Mutual Conductance	6.0 mA/V
Anode Impedance	30,000 ohms
Amplification Factor ($\mu_{g1, g2}$)	8

INTER-ELECTRODE CAPACITANCES

Input	11 pF
Output	6.5 pF
Grid to Anode	0.5 pF max.

** The duty cycle must not exceed 15 per cent of the scanning cycle and its duration must be limited to 15 micro seconds.*


BRIMAR 6BG6-G
V_f=6.3VOLTS. V_{g2}=250VOLTS.
CONTROL GRID VOLTS(V_{g1})=+10
+5
0
-5
-10
-15
-20
-25
-30
ANODE CURRENT (I_a) mA.
0
100
200
300
400
500
ANODE VOLTAGE, Va.