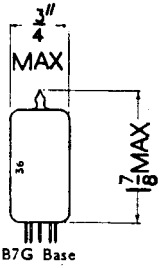
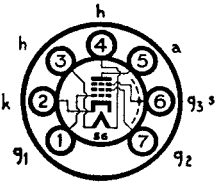


Current Equipment Type

TYPE 6AM6

MINIATURE HIGH SLOPE R.F. PENTODE



The BRIMAR 6AM6 is an indirectly heated high slope R.F. pentode suitable for a wide variety of applications. It may be used as an R.F., I.F. or video amplifier, as a limiter, or as a frequency changer at frequencies up to 100 Mc/s in conjunction with a suitable oscillator.

RATINGS

Heater Voltage	6.3 volts
Heater Current	0.3 amp.
Anode Voltage	275 volts max.
Anode Dissipation	2.5 watts max.
Screen (g_2) Voltage	275 volts max.
Screen Dissipation	0.8 watts max.
Heater to Cathode Potential	150 volts max.

OPERATING CHARACTERISTICS

[Suppressor Grid (g_3) connected to Cathode]

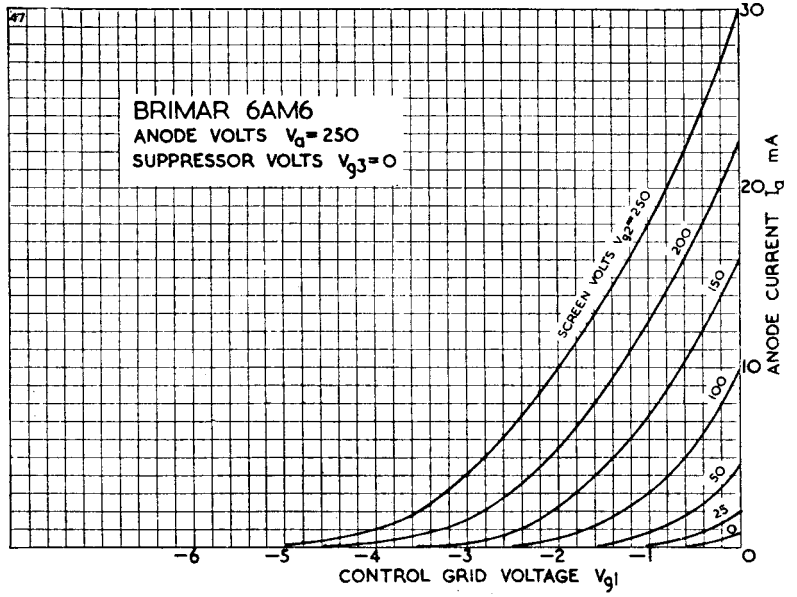
Anode Voltage	200	250	volts
Anode Current	9.0	10.0	mA
Screen Voltage	200	250	volts
Screen Current	2.25	2.6	mA
Control Grid (g_1) Voltage	–1.5	–2.0	volts
Cathode Bias Resistor	135	160	ohms
Anode Impedance (approx.)	0.8	1.0	meg.
Mutual Conductance	7.5	7.5	mA/V
Input Resistance at 45 Mc/s.	7,000	8,200	ohms
Control Grid Voltage (For Cathode Current cut-off)	–4.5	–5.5	volts
Working Input Capacity	10.4	10.1	pF
Change in Input Capacity (g_1 biased to cut-off)	2.3	2.0	pF
Inner Amplification Factor ($\mu_{g1, g2}$)	70	70	

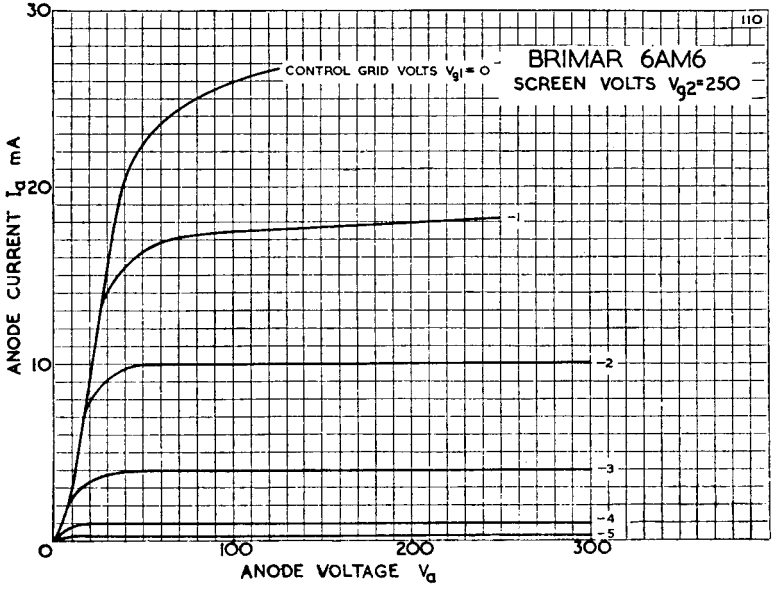
INTER-ELECTRODE CAPACITANCES *

Input	7.5 pF
Output	3.2 pF
Control Grid to Anode	0.01 pF

* *With close fitting shield connected to Cathode.*

Type 6AM6 is a commercial equivalent of the CV138.





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