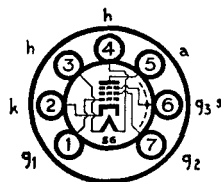


B7G Base

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	...	...	...	...	-4.5	-5.5	volts
(For Cathode Current cut-off)							
Working Input Capacity	...	...	...	...	10.4	10.1	pF
Change in Input Capacity	...	...	...	...	2.3	2.0	pF
(g_1 biased to cut-off)							
Inner Amplification Factor (μ_{g_1, g_2})	...	...	...	...	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.

