

Current Equipment Type

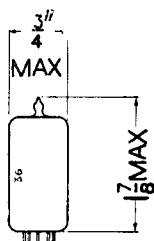
TYPE 6AM6

(Previously Coded 8D3)

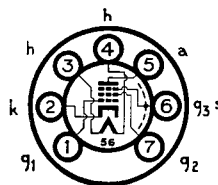
MINIATURE

HIGH SLOPE

R.F. PENTODE



B7G Base



The BRIMAR type 6AM6 is an indirectly heated high slope pentode of the "all glass" construction, fitted with a miniature type base. It is particularly suitable for use in wide band amplifiers and television receivers, where it may be employed in the R.F., I.F. or V.F. stages. In conjunction with a suitable oscillator the 6AM6 will function satisfactorily as a frequency changer at frequencies up to 100 Mc/s.

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 ($\mu_{g1, g2}$)	...	...	...	...	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

