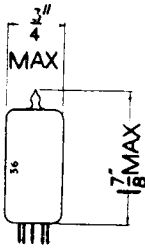
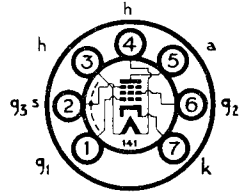


12AC6

Current Equipment Type



TYPE 12AC6 MINIATURE VARI-MU PENTODE



The BRIMAR 12AC6 is a vari-mu pentode for use in car radio receivers for operation direct from the 12-volt battery without the use of a vibrator H.T. system. It is designed to operate over the range of voltage variation normally encountered with car batteries.

RATINGS

Heater Voltage	...	...	...	...	...	...	...	12.6 volts
Heater Current	...	...	...	...	...	...	...	0.15 amp.
Anode Voltage	...	...	...	...	...	...	...	30 volts max.
Screen Voltage	...	...	...	...	...	...	...	30 volts max.
Grid 1 Circuit Resistance	...	...	...	...	...	...	...	2.2 MΩ max.
Cathode Current	...	...	...	...	...	...	...	20 mA max.
Heater-Cathode Voltage	...	...	...	...	...	...	...	±30 volts max.

OPERATING CHARACTERISTICS *

Anode Voltage	...	...	...	...	...	...	...	12.6 volts
Screen Voltage	...	...	...	...	...	...	...	12.6 volts
Control Grid Voltage	...	...	...	...	...	...	...	0 volts
Anode Current	...	...	...	...	...	...	...	550 μA
Screen Current	...	...	...	...	...	...	...	200 μA
Mutual Conductance	...	...	...	...	...	...	...	730 μA/V
Anode Impedance	...	...	...	...	...	...	...	0.5 MΩ
Grid 1 Voltage for $g_m = 10\mu A/V$ ($V_{g3} = 0$)	...	...	...	...	...	...	...	-5.2 volts approx.
Grid 3 Voltage for $g_m = 10\mu A/V$ ($V_{g1} = 0$, $R_{g1} = 2.2M\Omega$)	...	...	...	...	...	...	...	-3.7 volts approx.

* g_3 connected to cathode.

INTER-ELECTRODE CAPACITANCES

							With external screen	Without external screen
Input	...	...	...	...	...	...	4.3	4.3 pF
Output	...	...	...	...	...	...	5.0	5.0 pF
Anode to Grid	...	...	...	...	...	...	0.004	0.005 pF