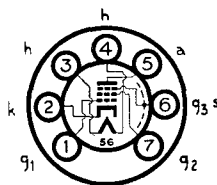


Current Equipment Type

TYPE 9D6
MINIATURE
VARI-MU R.F.
PENTODE



The BRIMAR type 9D6 is an indirectly heated vari-mu R.F. pentode of "all glass" construction, fitted with a miniature type base. Owing to its relatively high slope and small physical size, type 9D6 is particularly suitable for use in the R.F. and I.F. stages of compact radio equipment.

RATINGS

Heater Voltage	...	...	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	...	...	0.2 amp.
Anode Voltage	...	...	...	...	...	...	...	...	250 volts max.
Anode Dissipation	...	...	...	...	...	...	...	...	2.5 watts max.
Screen (g_2) Voltage	...	...	...	...	...	...	...	...	250 volts max.
Screen Dissipation	...	...	...	...	...	...	...	...	0.6 watts max.

OPERATING CHARACTERISTICS

[Suppressor Grid (g_3) connected to Cathode]

Anode Voltage	...	...	...	...	...	...	...	250	250	volts
Anode Current	...	...	...	...	...	...	...	8.0	8.0	mA
Screen Voltage	...	...	...	...	...	...	...	150	200	volts
Screen Current	...	...	...	...	...	...	...	2.0	2.1	mA
Control Grid (g_1) Voltage	...	...	...	...	...	...	...	-0.65	-2.5	volts
Cathode Bias Resistor	...	...	...	...	...	...	...	65	250	ohms
Anode Impedance	...	...	...	...	...	...	...	1.0	1.0	meg.
Mutual Conductance	...	...	...	...	...	...	...	2.5	2.5	mA/V
Inner Amplification Factor ($\mu_{g_1-g_2}$)	...	...	...	...	...	...	...	—	30	
Control Grid Voltage	...	...	...	...	...	...	...	-15	-28	volts

(For Mutual Conductance of 0.005 mA/V)

INTER-ELECTRODE CAPACITANCES

Input	...	...	...	...	...	...	...	...	4.5	pF
Output	...	...	...	...	...	...	...	...	7.0	pF
Control Grid to Anode	...	...	...	...	...	...	...	...	0.004	pF

* μ_{g_1} With close fitting shield connected to Cathode.

Type 9D6 is a commercial equivalent of the CV131