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 (g5) Voltage 250 volts max.
Screen Dissipation 0.6 watts max.

OPERATING CHARACTERISTICS

[Suppressor Grid (g5) connected to Cathode]

Anode Voltage 250 volts
Anode Current 8.0 mA
Screen Voltage 150 volts
Screen Current 2.0 mA
Control Grid (g5) Voltage -0.65 volts
Cathode Bias Resistor 65 ohms
Anode Impedance 1.0 meg.
Mutual Conductance 2.5 mA/V
Inner Amplification Factor (μg6g5) 30
Control Grid Voltage -15 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

*With close fitting shield connected to Cathode.

Type 9D6 is a commercial equivalent of the CV131