

2K33B – Reflex Klystron, Integral Cavity



Disc-seal reflex klystron. 22.0 to 25.0 GHz, integral cavity with tuning knob. Waveguide flange. Reflector to top cap.

1.8 kV resonator. 40 mW out.

6.3 V at 650 mA heater.

This is the first K-band klystron. Developed at the Clarendon Laboratory, Oxford, England, further developed and produced by Raytheon during WWII.

Tuning range from Sibley is slightly smaller than the one given by Raytheon. In 'Klystrons and Microwave Triodes' by Hamilton, Knipp and Kuper the theoretical band goes from 23 to 25GHz. Some data and pinout of the early version, the 2K33 registered to Raytheon in March 1946, are given in the RMA record [478](#). Note that during the war this device was classified. See also [2K33A](#).