

2K33 / 2K33A – Reflex Klystron, Integral Cavity



Disc-seal mechanically tunable reflex klystron. 22.0 to 25.0 GHz, integral cavity, waveguide flange; cap to reflector. 1.8 kV, 40 mW out. 6.3 V at 650 mA heater.

This is an improved version of the first K-band klystron. Developed at the Clarendon Laboratory, Oxford, England, 2K33 was 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.