

402A – Linear Beam Klystron Amplifier



Glass disc-seal klystron amplifier; three pin base. External cavities and magnet; plus forced-air cooling of the collector radiator required to operate. 500mW output at 4GHz.

6.3 V at 0.5 A heater.

Derived from the experimental type 1436, the 402A was manufactured in small quantities for the TD-2 test signal generator. Type 1436 is described with some applications in '[Principles and Applications of Waveguide Transmission](#)', George C. Southworth, Ph. D., Bell Laboratories Series.

A structure similar to the resonator assembly of this tube, with cathode and collector removed, was used in the early reflex klystrons and TR switches, as the '[Sutton](#)' [NR89](#), the [702A/B](#) and the [709A](#), to name a few.

Sample found in Australia.