

## 445A – Reflex Klystron



Reflex klystron, 10.7 to 11.7GHz, waveguide output. 400mW minimum power output. Integral heatsink, convection cooled.

6.3 volts at 900 milliamps heater.

445A operated as transmitter and local oscillator in the receiving section of the TJ microwave relay system. Here the article from [BSTJ, February 1969](#), on the TJ system also containing data of the klystron.

According to Lud Sibley also used in the receiver section of the NASA Echo satellite-tracking radar. The 445A operated at about 11.7 GHz as pump oscillator, feeding the parametric amplifier. In the early sixties the Echo radar system was also used by NASA to track the Moon\*.

Western Electric.

\*NASA technical note D-1135, Nov. 1961.

