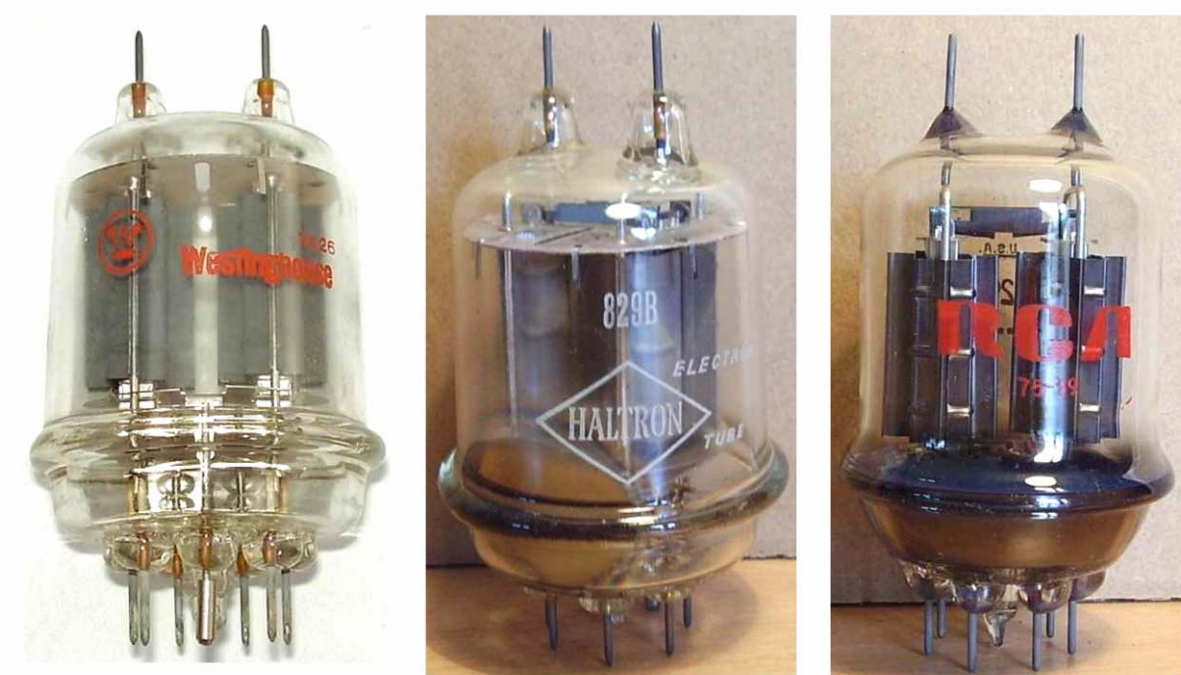


829 – VHF Power Dual Tetrode



Twin beam power tube capable of operating full-power up to 200MHz and up to 250MHz at reduced power. 30W CGS total tube plate power dissipation; forced-air cooling required. All glass body with septar base.

Originally mica spacers supported electrode structures, limiting the permissible flashover voltage. The [3E29](#) was then designed with ceramic spacers or self supporting electrodes to be used as high-voltage pulse radar modulator. The design was then unified with the introduction of the [829B](#), and the two types just differ for test limits.

As RF power amplifier, the tube can deliver from 50 to 90 W, depending upon the operating conditions. The tube can also be used as AF power amplifier, delivering about 44 W across 13750 ohms load.

Heaters may be series or parallel connected requiring 12.6V at 1.125A or 6.3V at 2.25A.

829 was registered in bulk to RCA in 1943, RMA record [347-p1](#) and [347-p2](#).