

3D21A – Power Pentode



Power pentode intended for uses as blocking oscillator, pulse modulator or deflection amplifier. Design utilizes manufacturing techniques used for high-volume receiving tubes, so relieving material shortages and difficulties encountered in manufacturing hard-glass modulators. Used as pulser for driving a 2J41 magnetron in AN/UPN-3 beacon. Also used as series regulator in high-voltage power supply circuits.

Center-tapped heater: 1.7A at 6.3V, may also be operated at 12.6V, 0.85A with the sections in series.

3D21 was developed by Hytron as D21 and registered in May 1945, record [408](#). The early 3D21 was later superseded by 3D21A, ST bulb, and by the tubular 3D21B, both documented in the RMA record [2017](#).