

316A / VT-191 UHF transmitting triode, 'doorknob' style



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This odd shaped tube was introduced around 1936 by Western Electric as UHF power amplifier or oscillator. One of the few UHF tubes available before WWII, also used in the very early British airborne radar sets. All-glass body, closely spaced electrodes supported by short rods just over the base. A spring loop from the top keeps the tiny filamentary cathode in tension.

It is capable of delivering 30W at 500MHz and oscillates up to 600MHz. Thoriated tungsten filamentary cathode drains 3.65A at 2V.

Western Electric, RMA record [339](#).