

## 416A-D – SHF Planar Triode



Planar triode, gold plated body; top pin to anode, threaded grid ring, four pin base. Glass spacers in the early versions, became ceramic in the late D version of the bottom picture. The 416B was registered as 6280. Characteristics improved in the years.

Depending upon the version, gain varies from 200 to 250, Gm from 50 to 65mS, out power from 0.5W to 5W. Forced air cooling required.

The RMA record [1187](#) covers the 416B/6280 and its evolutions.

The 416A was designed at Bell, starting from the [L-8](#) General Electric experimental tetrode developed during WWII. In October 1950 the tube appeared with its developmental code, B.T.L. 1553, in the [Bell System Technical Journal](#) and in the same issue another article described the performances of the [1553/416A](#) in the microwave repeaters linking Boston to New York and New York to Chicago.

