

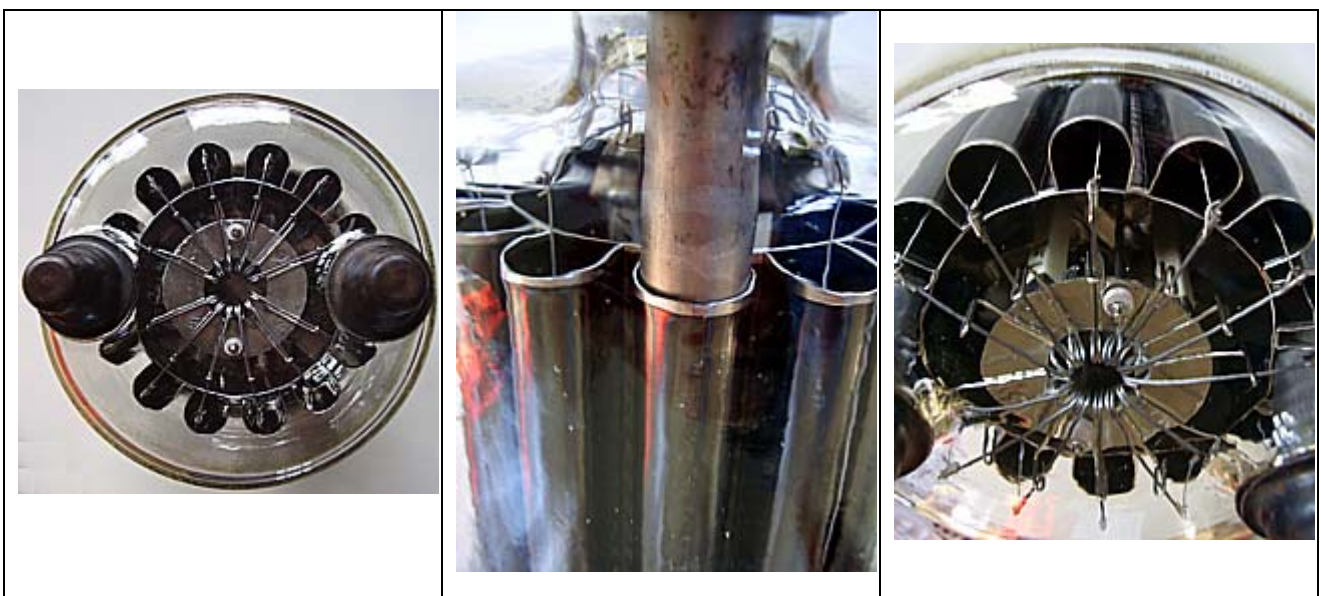
VX6122 / 19H12 / CV5718 - Rectifier, Damping Diode



Click on the image to enlarge

Large rectifier, intended as voltage clipper in radar transmitters.

The tube looks similar to the [833A](#) transmitting triode. Anode is formed by an inner large cylinder surrounded by fourteen smaller cylinders, whose diameter measures about 1 cm. Twelve oxide coated filaments are strained inside the same number of cylinders, the remaining two cylinders being rigidly fixed to the two top connecting rods. The entire assembly looks designed for handling very high currents, as result of the parallel connection of twelve diodes. Heat could be dissipated both by radiation, through the wide surface of the anode assembly and by conduction through the two plate connecting rods. The structure appears to be fault-tolerant in the event of single filament opening.



Construction details. Click on each image to enlarge

This rectifier was introduced in 1961 by Ediswan. Unknown production quantities.

- 4.0 V at 12 A filament
- 25 kV PIV anode voltage
- 30 A peak current
- 50 W power dissipation
- VH833 base

Tentative data for [19H12](#) available at the link.