

## Tube Of The Month

# Sendetriode RD12Tf

The RADAR war between the Allies and the Germans in WWII produced some odd tubes. One of the most unique was the 75 watt RD12Tf made by the German firm Lorenz. As frequencies were pushed above 500 MHz, lead length became a limiting factor. The German FuG200 RADAR incorporated the RD12Tf in a push pull oscillator operating at 600 MHz. To cut down the lead length, a special socket or fassung was made to mount the tubes base to base. The guts of the tube are all mounted close to the bottom. Six of the pins are for the anode and three are for the grid. Like many German military tubes, it was equipped with a handle for easy and safe removal. This example was made in 1944 and is marked "Wehrmachteigentum".

The unique size and shape of the RD12Tf earned it the name "Marmalade Jar" in Europe, but the Yanks just called it the "Jelly Jar". A pair of RD12Tfs would produce 35 KW of pulsed output in the RADAR.

More photos at <http://n6jv.com>.

