

TS6 GEMA - UHF Transmitting Triode



Almost certainly TS6 was the biggest doorknob style UHF triode ever made. It was designed during WWII by German GEMA for the marine radar Seetakt operating around 400 MHz. Also used in some Freya sets. It replaced [TS1](#) and [TS1A](#) which were similar to WE [316A](#). Rugged electrode structure to withstand heavy shocks and vibrations due to heavy gun firing aboard of battleships. Filamentary thoriated-tungsten cathode formed by eight wires in parallel for higher emission.

150 W anode power dissipation
700 V / 700 mA max anode ratings
Gm 12
2 V at 31 A filament

Two tubes generated 8 kW peak pulses.

