

CV1098 / REL-5 – VHF Pulse Transmitting Triode



Transmitting triode intended for pulse operation. Heavy copper anode radiator. Thoriated tungsten filament, 750 W anode dissipation with forced-air cooling. Capable of generating 100 kW pulses at 100 MHz; can be used up to 250 MHz with reduced power.

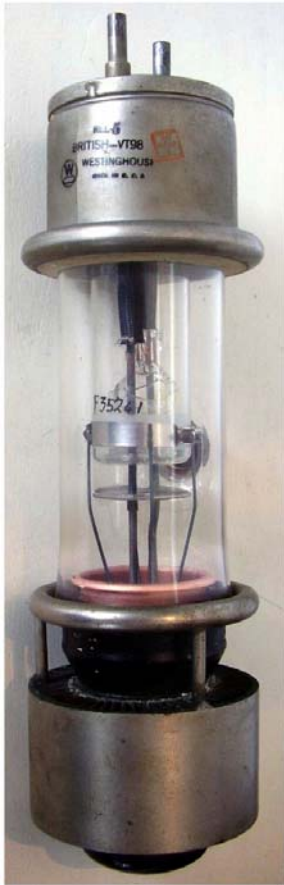
Used in the CHL radar system.

Derived from the VT58 replacing the tungsten filament with a thoriated-tungsten one. VT58 had been derived from MOV ACT10 television transmitting triode.

8.25 volts at 35 amps filament.

[CV1098](#) spec sheet.

In the next page the Westinghouse equivalent, marked as REL-5 and CV1098. It differs for the finned radiator.



CHL systems were built by Canadian REL and supplied to the United States for the surveillance of the Panama Channel. Transmitting tubes were manufactured by Westinghouse both in America, as for the above sample, and in Canada.