

ML-7003 – Power Triode Pulse Modulator

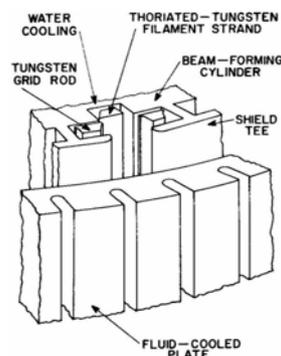


Screened-grid high-power triode intended to operate as switch in hard-tube pulse modulators up to 2 megawatts. 25 lbs, about 12 kg net weight.

3 kW plate power dissipation with forced-air cooling. 40 kV anode voltage, 80 A out pulses, 2.5 MW typical output pulses.

6 V at 60 A heater. Unipotential indirect-heated cathode.

Machlett, August 1960. Documentation in the [RMA 2916](#) record.



Typical electrode structure of a screened-grid power triode. Grid rods run in channels inside the beam forming shield, protected from direct hit of emitted electrons. The shield minimizes grid currents and grid-to-plate capacitance.

