

CV100 – Trigatron Spark Gap



Three electrode spark gap. It was intended for use as switch in radar modulators, in order to generate the high voltage pulses to drive the magnetron oscillator. British preferred the three-electrode structure, the central electrode being used to fire the spark, which then extended between the other two electrodes. Therefore the timing of the sparks could be precisely controlled by an external sequencer.

- 250 kW peak output, 2 us pulse length
- 16 kV main gap voltage
- 5.5 kV trigger voltage
- 400 pps typical.

Used in AMES II.

Spec sheet for [CV100](#).