

CV349 - Trigatron Spark Gap



Trigatron, three-electrode spark gap, used in British radar modulators. The main discharge between the two hemispherical electrodes is triggered by the field distortion caused by a third electrode protruding from the middle of the anode. Anode and cathode are of molybdenum and the trigger electrode is of tungsten. The bulb is filled by a mixture of argon and oxygen at a pressure between 1 and 6 atmospheres. Operation of trigatron spark gaps is described in [Pulse Generators](#) by Glasoe and Lebacqz.

CV349 has a special 3-pin quindecal base. Glass body is covered by a protective sock to prevent glass scattering in case of explosion. Cathode to the top cap.

6.6 kV minimum operating voltage, 3.2 kV trigger voltage. 160 kW peak output power.

Spec sheet for [CV349](#).