

5593GL – Phasitron, FM Modulator Tube



GE 'Phasitron' phase modulator for use in FM transmitters. 11 pin magal base. 0.3A at 6.3V heater. Used in GE and Gates FM transmitters in the late '40s.

A rotating undulated electron disk, generated by a three-phase electrode system, is intercepted by two coaxial anodes, the inner anode having twelve holes punched above the plan of the electron disk and twelve holes below the same plane. The rotation speed of the disk is modulated under the influence of an electromagnetic field generated by a modulation coil surrounding the tube.

Similar to [2H21](#), with different operating parameters.

Registered to General Electric in September 1947. Data available in the RMA registration record [600](#).

A short description of operating principle is given in the article '[Phasitron](#)'.