

CV114 - Early British X-band TR Switch



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This is the first British X-band TR cell devised early in 1942 at TRE and designed at GEC. An extensive description is given by Callick starting from page 103.

The brass body was bored in two perpendicular directions. Low-loss lead glass windows, sealed in copper annuli, were soft soldered at each end of the horizontal cavity. The lower electrode was fixed, with hollow point hosting the keep-alive glazed electrode. The upper electrode was supported by a flexible corrugated diaphragm and by a differential screw mechanism, to tune the resonating cavity over the range 3.1 to 3.3 cm.

