

## 721A / 721B – TR Switch



Disc-seal TR/ATR tube, with keep-alive electrode connected to a cap. External cavity required, tuned at the proper frequency from 2.7 to 3.3 GHz.

The 721A was carefully designed, with temperature compensated copper discs, with a coefficient of about  $-0.042 \text{ MHz}/^\circ\text{C}$ , in order to match the temperature drift of the associated magnetrons. It was widely used in S-band naval radar sets.

Data of the 721B, an improved version proposed by Raytheon, are given in the RMA record [478](#).

The development of this device is described in the [BSTJ, volume 25, issue 1, January 1946](#).