

Abstracts

A Waveguide Switch Employing the Offset Ring-Switch Junction

R.C. Johnson, A.L. Holliman and J.S. Hollis. "A Waveguide Switch Employing the Offset Ring-Switch Junction." 1960 Transactions on Microwave Theory and Techniques 8.5 (Sep. 1960 [T-MTT]): 532-537.

This paper describes an X-band microwave ring switch employing a junction of new design. The insertion loss is less than $\frac{1}{4}$ db over the design band of 9.0-9.6 kmc; this low loss was obtained through the use of a coupling junction which is designated the offset ring-switch junction. A physical description, the electrical characteristics of the switch, and a qualitative theoretical discussion of the junction are included.

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