

Abstracts

Broad-Band Balanced Duplexers

C.W. Jones. "Broad-Band Balanced Duplexers." 1957 *Transactions on Microwave Theory and Techniques* 5.1 (Jan. 1957 [T-MTT]): 4-12.

Balanced duplexer circuits are described and a comparison is made between the two principal configurations employing gaseous switching devices. The balanced tr duplexer is limited in power-handling ability, while the balanced atr duplexer has slightly greater received-signal insertion loss. An analysis is made of the reflecting properties of an atr array, and the practical upper limit of the number of array elements is determined.

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