

Abstracts

The Turnstile Circulator

P.J. Allen. "The Turnstile Circulator." 1956 Transactions on Microwave Theory and Techniques 4.4 (Oct. 1956 [T-MTT]): 223-227.

Theory and performance of a narrow band circulator employing but a single junction and a 45-degree Faraday rotator are discussed. Factors affecting bandwidth are considered and pertinent curves are plotted. Isolation bandwidth curves permit prediction of performance. This compact circulator, although frequency sensitive, is tunable and provides high reverse and cross isolations making it especially suited to duplexing, isolating and switching applications.

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