

Abstracts

The Compact Turnstile Circulator (Dec. 1970 [T-MTT])

B. Owen and C.E. Barnes. "The Compact Turnstile Circulator (Dec. 1970 [T-MTT])." 1970 Transactions on Microwave Theory and Techniques 18.12 (Dec. 1970 [T-MTT] (1970 Symposium Issue)): 1096-1100.

This paper discusses the mode of operation of certain partial height ferrite, Y-junction circulators. It is proposed that such devices operate in a turnstile fashion with modes propagating axially along the ferrite rod. A simple experiment on a 4-GHz circulator substantiates this proposal, and a millimeter-wave device operating in this manner is described.

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