

Abstracts

Low-Loss Broad-Band EHF Circulator (Short Papers)

W.S. Piotrowski and J.E. Raue. "Low-Loss Broad-Band EHF Circulator (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.11 (Nov. 1976 [T-MTT] (Special Issue on Millimeter Waves: Circuits, Components, and Systems)): 863-866.

A waveguide circulator design is reported that has resulted in a structurally rugged, thermally stable circulator with exceptional RF performance. With this design, insertion loss of less than 0.1 dB, more than 2MB isolation, and VSWR less than 1.2:1 have been achieved, each over 7 GHz of bandwidth from 27 to 34 GHz and 31 to 38 GHz.

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