

Abstracts

W-Band (75-110 GHz) Microstrip Components (Dec. 1985 [T-MTT])

K. Chang, D.M. English, R.S. Tahim, A.J. Grote, T. Pham, C. Sun, G.M. Hayashibara, P.C.H. Yen and W.S. Piotrowski. "W-Band (75-110 GHz) Microstrip Components (Dec. 1985 [T-MTT])." 1985 Transactions on Microwave Theory and Techniques 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1375-1381.

Various microstrip components, including mixers, IMPATT oscillators, Gunn oscillators, doublers, circulators, and IMPATT amplifiers, have been developed at W-band with state-of-the-art performance. The use of microstrip drastically reduces fabrication costs due to the less stringent machining tolerance. The design and performance of these components will be reported.

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