

# Abstracts

## Dielectric Guide W-Band (75-110GHz) Receiver with Partially Integrated Oscillator

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*T.H. Oxley, J. Ondria, P.L. Lowbridge, N. Williams, R.A. Gelsthorpe and S. Gibbs. "Dielectric Guide W-Band (75-110GHz) Receiver with Partially Integrated Oscillator." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 287-289.*

This paper discusses the design, construction, and performance aspects of a W-Band (75-110 GHz) dielectric guide receiver, incorporating a partially integrated local oscillator. Machined alumina and thick film dielectric guide fabrication techniques are considered.

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