

Abstracts

Microguide - A New Microwave Integrated Circuit Transmission Line

E.G. Cristal, A.F. Podell and D. Parker. "Microguide - A New Microwave Integrated Circuit Transmission Line." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 212-214.

A new transmission line for microwave integrated circuit applications at frequencies above X band is described. Although physically similar to microstrip, its principal mode of propagation is a quasi-TE₁₀ waveguide type mode. Preliminary measurements indicate low loss and reduced coupling between adjacent lines.

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