

Abstracts

Insulated Nonradiative Dielectric Waveguide for Millimeter-Wave Integrated Circuits (1983 [MWSYM])

T. Yoneyama, S. Fujita and S. Nishida. "Insulated Nonradiative Dielectric Waveguide for Millimeter-Wave Integrated Circuits (1983 [MWSYM])." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 302-304.

An improved version of the nonradiative dielectric waveguide (NRD-guide), called an insulated nonradiative dielectric waveguide, is proposed for millimeter wave integrated circuits. This dielectric waveguide can overcome some difficulties which arise when high dielectric material is used in the NRD-guide. Guide wavelengths and transmission losses were measured at 50 GHz and compared with theory.

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