

Abstracts

Leakage from a Gap in NRD Guide

A.A. Oliner, S.T. Peng and K.M. Sheng. "Leakage from a Gap in NRD Guide." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 619-622.

Results are presented for the effect of an air gap between the top metal plate and the dielectric strip in nonradiative dielectric (NRD) guide, a promising candidate for millimeter wave integrated circuits. The leakage from small gaps can cause crosstalk between components, and that from larger gaps can furnish a new type of leaky wave antenna.

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