

Abstracts

Measurement of NRD-Guide Leaky Wave Coupler in Ka Band

D.-C. Niu, T. Yoneyama and T. Itoh. "Measurement of NRD-Guide Leaky Wave Coupler in Ka Band." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1207-1210.

This paper describes a new structure for an NRD-guide directional coupler. This new structure combines two NRD guides and a dielectric slab. The coupling energy is carried by a leaky wave. The field along the NRD-guide is measured at Ka band (35 GHz) and compared with the theoretical data in this paper.

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