Abstracts

The Role of Higher Order Modes in the Characterization of a Shielded Transition to a Dielectric Waveguide

A.G. Engel, Jr. and L.P.B. Katehi. "The Role of Higher Order Modes in the Characterization of a Shielded Transition to a Dielectric Waveguide." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 831-834.

The S-parameters of a shielded sub-mm/THz monolithic transition between a layered ridged dielectric waveguide and a power source are determined from results obtained by an integral equation-mode matching method. The presence of higher order modes due to the shielding is considered. The electrical performance of a wide-band efficient transition is presented.

❑ Return to main document.