

Wave-Guiding Characteristics of Partially Corrugated Dielectric Waveguides

M. Tsuji, H. Shigesawa and K. Takiyama. "Wave-Guiding Characteristics of Partially Corrugated Dielectric Waveguides." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 296-298.

The behavior due to a finite length of periodically corrugated dielectric waveguide is analyzed under the conditions that the TE and TM modes must couple to each other. Excellent agreements between calculated and experimental results are shown not only for the reflected and transmitted powers, but also for the dispersion curves.

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