

Abstracts

Full-Wave Modeling of via Hole Grounds in Microstrip by Three-Dimensional Mode Matching Technique (1992 Vol. III [MWSYM])

F. Alessandri, M. Mongiardo and R. Sorrentino. "Full-Wave Modeling of via Hole Grounds in Microstrip by Three-Dimensional Mode Matching Technique (1992 Vol. III [MWSYM])." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1237-1240.

A rigorous full-wave analysis of microstrip via hole grounds is performed using a three-dimensional mode-matching method by means of a suitable segmentation technique. Theoretical results are compared with measured data showing an excellent agreement. Comparisons with available approximate methods have also been made to exploit their limits of validity.

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