Abstracts

Session 5 Introduction (1984 [MWSYM])

E.J. Denlinger. "Session 5 Introduction (1984 [MWSYM])." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 113-113.

Field theory is continually being applied to useful component-oriented structures. The use of planar transmission line technology and miniaturized packaging demands an ever-increasing need for field solutions to produce scattering parameters, coupling coefficients, impedance parameters, radiation, etc. at the component-transmission line interface. This session on "Component Applications of Field Theory" treats a wide variety of components associated with five different types of transmission media (dielectric image guide, non-radiative dielectric waveguide, dielectric planar waveguide, microstrip, and rectangular waveguide) . The material is directly applicable to making filters, antennas, bias circuits, and guiding structures for millimeter waves and integrated optics.

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