

Abstracts

Wide-Band Ground-Plane dc Block and Bias Feed (Short Papers)

T.E. Koscica. "Wide-Band Ground-Plane dc Block and Bias Feed (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.6 (Jun. 1990 [T-MTT]): 805-806.

The realization of a new wide-band ground-plane dc block and bias feed is described for microstrip transmission lines operating in Ka-band, 26.5-40.0 GHz. The waveguide-to-microstrip fixture and transition used for testing are described. Analysis of the ground-plane bias gap structure is provided. A few possible applications are discussed.

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