

Abstracts

Mode Conversion at Discontinuities in Finite-Width Conductor-Backed Coplanar Waveguide

R.W. Jackson. "Mode Conversion at Discontinuities in Finite-Width Conductor-Backed Coplanar Waveguide." 1989 *Transactions on Microwave Theory and Techniques* 37.10 (Oct. 1989 [T-MTT]): 1582-1589.

The effect of overmoding in a conductor-backed coplanar waveguide is discussed, with special emphasis on mode conversion at discontinuities. The coplanar waveguide gap end and shorted end are studied via a fully electromagnetic application of the moment method technique. Significant conversion occurs at the gap end. The results of a simple experiment are described.

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