

# Abstracts

## Mode Conversion Due to Discontinuities in Modified Grounded Coplanar Waveguide

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*R.W. Jackson. "Mode Conversion Due to Discontinuities in Modified Grounded Coplanar Waveguide." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 203-206.*

Modified grounded coplanar waveguide is the same as conventional grounded coplanar waveguide except that the side planes are not of infinite extent. This structure is overmoded, but is still used in monolithic circuits since it does not require via holes. In this paper, conversion from the desired CPW mode to an undesirable microstrip-like mode is calculated using a full wave analysis. Results indicate that this conversion can be made small for reasonable structural dimensions.

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