Abstracts

Slow-Wave Phenomena and Pulse Distortions in Optically Excited Schottky-Contacted Coplanar Waveguide

A.S. Rong, S.M. Goodnick, V.K. Tripathi, H.X. Wang, Z.L. Sun and W.B. Dou. "Slow-Wave Phenomena and Pulse Distortions in Optically Excited Schottky-Contacted Coplanar Waveguide." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 641-644.

The slow-wave phenomena and the pulse distortions in optically excited Schottky-contacted coplanar waveguides are analyzed in this paper. The localized excitation model presented is formulated by the combination of the original and frequency-dependent versions of the FDTD method. Some attractive physical properties of Schottky-contacted CPW under optical illumination are examined.

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