Abstracts

Experimental Confirmation of Slow-Waves in a Crosstie Overlay Coplanar Waveguide and its Application to Band-Reject Gratings

T.H. Wang, T.M. Wang and T. Itoh. "Experimental Confirmation of Slow-Waves in a Crosstie Overlay Coplanar Waveguide and its Application to Band-Reject Gratings." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 383-386.

The slow-wave propagation along a new crosstie overlay slow-wave coplanar waveguide has been investigated both theoretically, experimentally. A slow-wave factor observed agrees reasonably well with the theoretical prediction. Based on this structure, a doubly-periodic band-reject grating was created. The band rejection phenomenon was observed as predicted.

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