

# Abstracts

## Miniature low-loss CPW periodic structures for filter applications

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J. Sor, Y. Qian and T. Itoh. "Miniature low-loss CPW periodic structures for filter applications." 2001 Transactions on Microwave Theory and Techniques 49.12 (Dec. 2001 [T-MTT] (Special Issue on 2001 International Microwave Symposium)): 2336-2341.

Several novel periodic structures for coplanar waveguides are presented. The proposed structures exhibit low insertion loss in the passband, simple fabrication, and slow-wave characteristics. These structures are applied to realize miniature low-pass filters one-tenth the size of conventional filters, with spurious-free response and deep attenuation levels using only three cells.

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