

Abstracts

A novel low-loss slow-wave CPW periodic structure for filter applications

J. Sor, Yongxi Qian and T. Itoh. "A novel low-loss slow-wave CPW periodic structure for filter applications." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. I [MWSYM]): 307-310 vol. 1.

A novel periodic slow-wave structure for CPW is presented. This proposed structure exhibits low insertion loss in the passband, simple fabrication, and is intrinsically matched. The structure is applied to realize a miniature lowpass filter one-tenth the size of conventional filters, with spurious-free response and deep attenuation levels using only three cells.

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