

Compact multi-level folded-line bandpass filters

R.K. Settaluri, A. Weisshaar and V.K. Tripathi. "Compact multi-level folded-line bandpass filters." 2000 MTT-S International Microwave Symposium Digest 00.1 (2000 Vol. I [MWSYM]): 311-314.

A simple design methodology for compact multi-level, multi-conductor folded-line bandpass filters is presented. Several new folded-line filter topologies are proposed. Simple closed-form design equations are presented for the extraction of an equivalent coupled-line representing the folded-line filter section. The new folded-line filters exhibit a significant reduction in footprints compared to the conventional designs.

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