Abstracts

A miniaturized end-coupled bandpass filter using /spl lambda//4 hair-pin coplanar resonators

T. Tsujiguchi, H. Matsumoto and T. Nishikawa. "A miniaturized end-coupled bandpass filter using /spl lambda//4 hair-pin coplanar resonators." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 829-832.

A miniaturized end-coupled bandpass filter is realized by /spl lambda//4 hair-pin coplanar resonators. Attenuation poles at both sides of the passband are generated by a resonator arrangement to make a multi-pass circuit. The trial filter has 590 MHz 3 dB-bandwidth at 5.8 GHz and the insertion loss is 3.8 dB. The size is 3.5/spl times/3.75/spl times/0.4 mm/sup 3/. It is applicable to MCM (multi-chip-module) using bare-chip mount.

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