

Abstracts

PBG-excited split-mode resonator bandpass filter

Siou Teck Chew and T. Itoh. "PBG-excited split-mode resonator bandpass filter." 2001 Microwave and Wireless Components Letters 11.9 (Sep. 2001 [MWCL]): 364-366.

Photonic bandgap structure is used as a design parameter for the fundamental passband in a split-mode microstrip square resonator. A defect in the PBG cells under the resonator, allows coupling between the two degenerate modes. A filter is designed at 2.2 GHz with good agreement between simulated and measured results.

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