

Abstracts

A design of novel asymmetrically coupled CPW bandpass filter using TEM analysis

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The new coplanar waveguide (CPW) bandpass filter with an asymmetric structure is proposed. The proposed filter is designed based on TEM analysis technique. It has quarter wavelength CPW couplers so that the physical dimension and radiation loss can be improved. A compact three-pole bandpass filter is designed and fabricated to prove the validity of the design method. The measured results show good agreement with the simulated characteristics.

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