

Abstracts

Novel reduced-size coplanar-waveguide bandpass filter using the new folded open stub structure

Shry-Sann Liao, Hsien-Ku Chen, Yin-Cheng Chang and Kun-Tai Li. "Novel reduced-size coplanar-waveguide bandpass filter using the new folded open stub structure." 2002 Microwave and Wireless Components Letters 12.12 (Dec. 2002 [MWCL]): 476-478.

Proposes a novel folded skill and a simpler method than that of older methods. The advantages of this new structure reveals a better skirt factor than that of the conventional folded $\lambda/4$ series open stub, and it reduces the folded area of the conventional structure by at least 50%. Besides, by using the new folded $\lambda/4$ open stub to realize a bandpass filter, the size of the circuit will be reduced greatly and achieve better stopband rejection.

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