

Folded Stubs for Compact Suspended Stripline Circuits

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Coupled line sections using both sides of a suspended stripline substrate can be regarded as stubs folded closely parallel to the stripline giving a number of advantages like compact setup, a simple, one-channel stripline mount, no waveguide modes, and additional degrees of freedom for circuit design. By an appropriate design, open and short-circuited series as well as shunt stubs covering a wide range of stub impedances can be realized. As examples for their application, a bandpass, a highpass, and a bandstop filter are presented.

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