

ELECTRONICS

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The Miniaturization of microwave filters are of special importance in the electronics industry. Ceramic-laminated filters have been widely used for cell phones mobile telephones, ceramics laminated filters have been widely used; and in particular, comb-line filters have been used extensively for made-practical applications-use. In this study, we design comb-line filters in which where both sides of the dielectric substrate are utilized are designed. A Comb-line filter consists of two quarter-quarter-wavelength resonators. Strong coupling between the two resonators is can be obtained achieved by installing a patch conductor on the dielectric substrate overlapped above the resonators. A Method involving installation of of a installing coupling capacitor by via creation of inserting slots into the ground plane is discussed. The use of a defected ground structure (DGS) has recently been attracting attention as an approach for creating As method of inserting slots into at the ground plane, a defected ground structure (DGS) has attracting much attention.

Comment [A1]: If you're specifically referring to the comb-line filter proposed here, then please use the article "the."