

A Grooved Monoblock Comb-Line Filter Suppressing the Third Harmonics

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A grooved monoblock comb-line filter has been developed. By putting the grooves on the outer surfaces of dielectric block, the second passband is shifted to the higher frequency than the third harmonics. So this filter is very effective for suppressing the third harmonics, besides these grooves are effective for inter-resonator coupling.

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