

## عنوان مقاله:

A Novel Miniaturized Wide Rejection Band Lowpass Filter Using Lattice-Shaped Resonator

## محل انتشار:

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## خلاصه مقاله:

In this paper, a novel compact lowpass filter using lattice-shaped resonator is presented with wide rejection band. The proposed lowpass filter is designed to fabricate on a Duroid 5880 microstrip layout. The aim of design was to obtain a lowpass filter with -3 dB cut off frequency of 4.16 GHz. Simulated results showed a low insertion loss about 0.1 dB in .94% of the passband region. The size of the designed filter is only  $9.5 \times 9.5\text{mm}^2$

## کلمات کلیدی:

Lowpass Filter; Microstrip; Wide Rejection Band

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/553113>

