

عنوان مقاله:

Design of a Microwave Dual-band Filter Using Frequency Selective Surfaces

محل انتشار:

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خلاصه مقاله:

A dual-band frequency selective surface (FSS) made of double ring is presented. The design has been carried out with one layer of FSS. In the first step, two single band FSSs with different radii rings were designed for two resonant frequencies of 7 GHz and 4.8 GHz with a 20 dB bandwidth of 0.3 GHz around each frequency. In the second step, the two rings were merged to obtain a dual-band FSS. The proposed dual-band FSS is a compact structure that is stable against angle and polarization of incident wave with a rejection level better than -20 dB in the bands

کلمات کلیدی:

component; dual-band FSS; double ring; frequency selective surface

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