

Elliptic Bandpass Filters Using Four TM/sub 010/ Dielectric Rod Resonators

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Compact elliptic bandpass filters of three types are constructed by using four TM/sub 010/ dielectric rod resonators. Filters designed to have center frequencies of 3 to 5 GHz, relative bandwidths of 2 to 13 percent, insertion losses of 0.3 to 1.6 dB, and minimum stopband attenuations of 40 to 52 dB.

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