

Abstracts

A microstrip elliptic function filter with compact miniaturized hairpin resonators

Jen-Tsai Kuo, Ming-Jyh Maa and Ping-Han Lu. "A microstrip elliptic function filter with compact miniaturized hairpin resonators." 2000 Microwave and Guided Wave Letters 10.3 (Mar. 2000 [MGWL]): 94-95.

A four-pole elliptic function bandpass filter is designed using compact miniaturized microstrip hairpin resonators. It is shown that the filter occupies a very small area. The full-wave simulator IE3D is used to design the resonator and to calculate the coupling coefficients of the three basic coupling structures. Measurement results are compared with the computed responses.

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