

Abstracts

A new network model for miniaturized hairpin resonators and its applications

Sheng-Yuan Lee and Chih-Ming Tsai. "A new network model for miniaturized hairpin resonators and its applications." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 1161-1164.

In this paper, miniaturized hairpin resonators are completely studied. Two designs for odd-mode and even-mode are derived from a new network model. The size and spurious response of this type of resonator are then minimized and controlled based on these two equations. Finally, a cross-coupled filter is designed by using these resonators to demonstrate one of the applications.

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