

Abstracts

A novel accurate design method for the hairpin type coupled line bandpass filter

Jun-Sik Yun, Jun-Seok Park, Dal Ahn, Kwan Sun Choi and Juno Kim. "A novel accurate design method for the hairpin type coupled line bandpass filter." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 2171-2174 vol.3.

In this paper, the novel design formula is proposed for the design of a hairpin type coupled-line bandpass filter, which has arbitrary coupled-line lengths and image impedance. Employing the derived design formula promotes convenience in designing and implementing the hairpin type coupled-line bandpass filter. Measured results on fabricated hairpin type coupled-line bandpass filters including a duplexer show good agreements with theoretical results.

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