Abstracts

A design of the novel coupled line low-pass filter with attenuation poles

Dong Hwan Lee, Yong Woo Lee, Jun Seok Park, Dal Ahn, Hyung Seok Kim and Kwang Yong Kang. "A design of the novel coupled line low-pass filter with attenuation poles." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1127-1130 vol.3.

In this paper, a novel low-pass filter structure using coupled lines is proposed. The design formula is derived using the equivalent circuit of coupled transmission line. The proposed low-pass filter structure provides compact size, low insertion loss and two attenuation poles in the stop band. The higher order low-pass filters can be realized by using the proposed structure as a unit element. Experimental results show the validity of the proposed low-pass filter structure and the design method.

❑ Return to main document.