

# Abstracts

## A Stepped Impedance Comb-Line Filter Fabricated by Using Ceramic Lamination Technique

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*T. Ishizaki and T. Uwano. "A Stepped Impedance Comb-Line Filter Fabricated by Using Ceramic Lamination Technique." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 617-620.*

A filter named as a stepped impedance comb-line filter is proposed. The parallel stripline sections of stepped impedance resonators are coupled electromagnetically to form an attenuation pole. The design procedure for a two-pole planar filter is derived from an analysis using the even and odd-mode impedances. The experimental filters were constructed by ceramic lamination technique and they exhibited performances suitable for portable telephones.

 [Return to main document.](#)