

# Abstracts

## Two-stage bandpass filters based on rotated excitation of circular dual-mode resonators

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*I. Awai and T. Yamashita. "Two-stage bandpass filters based on rotated excitation of circular dual-mode resonators." 1997 Microwave and Guided Wave Letters 7.8 (Aug. 1997 [MGWL]): 212-213.*

A new excitation method for dual-mode circular resonators is studied. The bandwidth and the frequency of attenuation poles of the resulting two stage bandpass filter (BPF) are determined by the angle between I/O ports. Addition of a shunt susceptance at the I/O ports gives an independent control of the bandwidth.

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