

# Abstracts

## Parallel coupled microstrip filters with suppression of harmonic response

---

Jen-Tsai Kuo, Wei-Hsiu Hsu and Wei-Ting Huang. "Parallel coupled microstrip filters with suppression of harmonic response." 2002 *Microwave and Wireless Components Letters* 12.10 (Oct. 2002 [MWCL]): 383-385.

Corrugated coupled microstrip lines are proposed to design planar microwave filters with suppression of spurious response at twice the center frequency ( $2f_{\text{center}}$ ). The corrugated structure is designed to equalize the phase velocities of the two eigenmodes in the propagation direction. The designed bandpass filters have a wide upper stopband with satisfactory attenuation levels. In addition, the symmetry of the passband response is improved. Measured results of two fabricated circuits show that the idea works very well.

[Return to main document.](#)