

# Abstracts

## A Coplanar Waveguide Broadside End-Coupled Band-Pass Filter

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C. Nguyen. "A Coplanar Waveguide Broadside End-Coupled Band-Pass Filter." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 945-946.

A new broadside end-coupled band-pass filter using coplanar waveguide (CPW), suitable for wide-band microwave and millimeter-wave integrated circuits, has been developed. The shielded CPW and broadside CPW, employed in the filter, were analyzed using the quasi-static spectral-domain method. An X-band (8-12 GHz) three-resonator band-pass filter has been built and tested with a good agreement between the measured and calculated results.

[Return to main document.](#)