

# Abstracts

## Tunable microwave coupler buried in low-temperature co-fired ceramic

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S.A. Wartenberg. "Tunable microwave coupler buried in low-temperature co-fired ceramic." 2000 *Transactions on Microwave Theory and Techniques* 48.4 (Apr. 2000, Part I [T-MTT]): 618-619.

This paper outlines a method of tuning a microwave broadside coupler buried in low-temperature co-fired ceramic. Etching a slot in the exposed ground plane tunes the characteristic impedance  $Z_{\text{sub 0}}$  of a stripline coupler. An iterative method computes the correct dimensions of the slot. Applying the method salvages microwave circuits detuned due to manufacturing tolerances.

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