

# Abstracts

## New Uniplanar Coplanar Waveguide Couplers

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*C.-H. Ho, L. Fan and K. Chang. "New Uniplanar Coplanar Waveguide Couplers." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 285-288.*

A new uniplanar coplanar waveguide (CPW) magic-T and a reverse-phase CPW hybrid-ring coupler were developed. Both circuits provide good amplitude and phase characteristics over a broad bandwidth. Experimental results showed that the magic-T has one octave bandwidth from 2 to 4 GHz and the hybrid-ring coupler has a 60% bandwidth from 2 to 3.6 GHz.

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