

Abstracts

New Uniplanar Coplanar Waveguide Couplers

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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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