

# Abstracts

## Design of New Hybrid-Ring Directional Using lambda/8 or lambda/6 Sections (Short Papers)

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D.I. Kim and G.-S. Yang. "Design of New Hybrid-Ring Directional Using lambda/8 or lambda/6 Sections (Short Papers)." 1991 *Transactions on Microwave Theory and Techniques* 39.10 (Oct. 1991 [T-MTT]): 1779-1784.

A method for designing 1.25 lambda-ring and 7lambda /6-ring 3 dB directional couplers rising fundamental lambda/8 or lambda/6 sections is proposed and their frequency characteristics are analyzed. Furthermore, experimental verification has been achieved in a microstrip network confirming the validity of the design method for a microwave component with the basic lambda/8 or lambda/6 sections proposed in this paper.

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