

Abstracts

Optimized Microstrip Ring-Star 5-Ports for Broadband 6-Port Measurement Applications

M. Malkomes, G. Kadisch and H.J. Schmitt. "Optimized Microstrip Ring-Star 5-Ports for Broadband 6-Port Measurement Applications." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 472-474.

Results of computer-aided analysis and optimization of symmetrical 5-port microstrip rings with external matching and inner star coupling are presented. Over one octave operational bandwidth with power balance within 1dB and matching better than -20dB has been achieved in theory and measurement for two different design concepts.

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