

Abstracts

Simplified design technique for high performance microstrip multi-section couplers

D. Lau, S.P. Marsh, L.E. Davis and R. Sloan. "Simplified design technique for high performance microstrip multi-section couplers." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. 1 [MWSYM]): 123-126.

A new design technique has been developed which improves the design of microstrip multi-section coupler by a simplified version of the non-uniform coupler method. The design is further improved by the use of the "saw-tooth" odd and even mode equalisation technique. The measured results demonstrate an improved performance over the multi-section coupler in terms of coupling performance and bandwidth, whilst the size and the fabrication tolerance are better than the nonuniform line coupler.

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