

Abstracts

A Comprehensive Design Technique for the Radial Wave Power Combiner

G.W. Swift and D.I. Stones. "A Comprehensive Design Technique for the Radial Wave Power Combiner." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 279-281.

A novel structure based upon the radial wave power combiner has been developed, incorporating a radially periodic internal structure which permits its design to be accomplished using techniques similar to those used for distributed element filter design. This paper discusses the development of a radial combiner structure providing less than 0.3 dB insertion loss and operating over greater than one octave bandwidth.

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