

Abstracts

Use of Circular Sector Shaped Planar Circuits for Multiport Power Divider-Combiner Circuits

M.D. Abouzahra, K.C. Gupta and A. Dumanian. "Use of Circular Sector Shaped Planar Circuits for Multiport Power Divider-Combiner Circuits." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 661-664.

A novel sector shaped circuit configuration is proposed for designing planar power dividers-combiners that are compatible with microstrip circuits. Interesting experimental results on 2, 3, 4, and 5-way power divider circuits are presented. Impedance matrix expressions for annular sectors have been derived and used in the two-dimensional analysis of these circuits.

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