

Abstracts

Electromagnetic Model of a Planar Radial-Waveguide Divider/Combiner Incorporating Probes

M.E. Bialkowski and V.P. Waris. "Electromagnetic Model of a Planar Radial-Waveguide Divider/Combiner Incorporating Probes." 1993 Transactions on Microwave Theory and Techniques 41.6 (Jun./Jul. 1993 [T-MTT]): 1126-1134.

A field matching technique is used to develop an electromagnetic model for an M-way planar radial-waveguide divider/combiner incorporating probes. Based on this model, a broadband operation of the radial divider/combiner is investigated. The application of the developed model is shown in a design example of a 20-way power divider.

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