

Abstracts

An Optimized L-Band Eight-Way Gysel Power Divider-Combiner (Short Papers)

*F. Ardemagni. "An Optimized L-Band Eight-Way Gysel Power Divider-Combiner (Short Papers)." 1983 *Transactions on Microwave Theory and Techniques* 31.6 (Jun. 1983 [T-MTT]): 491-495.*

Theoretical analysis of a general n-way power divider-combiner in a Gysel configuration has been carried out to derive relationships among fundamental parameters. On the basis of its symmetries, an eight-way network has been described, analyzed, and optimized over a 25-percent bandwidth by the computer program COMPACTtm. Experimental data is reported and compared with theoretical predictions.

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