

# Abstracts

## A Recombinant, In-Phase Power Divider (Short Papers)

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*M.E. Goldfarb. "A Recombinant, In-Phase Power Divider (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.8 (Aug. 1991 [T-MTT]): 1438-1440.*

A new topology for a planar power divider suitable for realization using conventional microstrip fabrication techniques is described. This divider is capable of exciting an odd number of output ports with either equal or unequal power division. The recombinant approach produces bandwidth comparable to that of other techniques with fewer and more easily realized elements. Design equations and an example implementation are discussed. Measured data for an octave-bandwidth, three-way power divider at 10 GHz are presented.

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