

Abstracts

A Lossless Radially Symmetric TEM-Line IMPATT-Diode Power Combiner

R. Actis and D.F. Peterson. "A Lossless Radially Symmetric TEM-Line IMPATT-Diode Power Combiner." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 209-211.

Verification of a new approach to circuit-level power combining of negative resistance devices is presented. Lossless combining networks and band-limited IMPATT-diodes are utilized to provide stable combiner designs of improved bandwidth without resistive stabilization.

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