

Abstracts

New N-Way Hybrid Power Dividers (Dec. 1977 [T-MTT])

N. Nagai, E. Maekawa and K. Ono. "New N-Way Hybrid Power Dividers (Dec. 1977 [T-MTT])." 1977 Transactions on Microwave Theory and Techniques 25.12 (Dec. 1977 [T-MTT] (1977 Symposium Issue)): 1008-1012.

A new n-way planar hybrid power divider (henceforth HPD) and an n-way coaxial-type HPD are proposed, and the synthesis methods of three-way and four-way planar HPD's are shown. As for the three-way planar HPD, the isolation characteristics among three ports show more than 20 dB, and the VSWR'S of four ports show less than 1.4 in 2:1 bandwidth. The experimental characteristics are in good agreement with the theoretical analysis.

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