

Abstracts

On Some Five-Way Hybrid Power Dividers

N. Nagai, K. Ono and E. Maekawa. "On Some Five-Way Hybrid Power Dividers." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 326-328.

New five-way hybrid power dividers are synthesized by making use of two sections of five-wire uncoupled transmission-lines of equal length with isolation resistors which are connected by the ends of the neighboring wires. As for the theoretical analysis of five-way planar HPD, the isolation characteristics among five ports show more than 20 dB, and the VSWR's of six ports show less than 1.4 in 2:1 bandwidth.

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