

Abstracts

A Matched Turnstile Type 4-Way Divider/Combiner

R.L. Eisenhart, N.W. Nevils, J.J. Gulick and R.C. Monzello. "A Matched Turnstile Type 4-Way Divider/Combiner." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 166-168.

Two-port Z-parameter characterization techniques have been applied in a novel way to a 6-port turnstile type waveguide junction, resulting in a matched 4-way power divider/combiner. The circuit is new with many interesting characteristics and has application in high power or millimeter wave power combining where waveguide is best used.

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