

Abstracts

A Transmission-Line-Type Eight-Port Hybrid

I. Ohta, T. Kawai, S. Shimahashi and K. Ito. "A Transmission-Line-Type Eight-Port Hybrid." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. 1 [MWSYM]): 119-122.

A novel transmission-line-type eight-port hybrid is proposed and investigated theoretically and experimentally. A bandwidth comparable with that of a branch-line 3 dB hybrid is obtained for moderate values of characteristic admittances of line sections. This circuit is useful for applications to a comparator circuit in a, four-port monopulse radar system and a four-way power combiner/divider with four input/output arms isolated from one another.

[Return to main document.](#)