

Abstracts

A low-loss serial power combiner using novel suspended stripline couplers

Y. Tahara, H. Oh-Hashi, T. Ban, K. Totani and M. Miyazaki. "A low-loss serial power combiner using novel suspended stripline couplers." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. 1 [MWSYM]): 39-42 vol. 1.

This paper describes a serial power combiner which consists of novel suspended stripline couplers. The suspended stripline couplers have additional parallel capacitances to improve their directivities. The fabricated three-way power combiner has realized a good performance in insertion loss which is less than 0.23 dB over a bandwidth of 10% in the S-band.

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