

Abstracts

A general design formula of multi-section power divider based on singly terminated filter design theory

Sung-Won Lee, Chul-Soo Kim, Kwan Sun Choi, Jun-Seok Park and Dal Ahn. "A general design formula of multi-section power divider based on singly terminated filter design theory." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1297-1300 vol.2.

A novel design formula of multi-section power divider is derived to obtain wide isolation performance. The derived design formula is based on the singly terminated filter design theory. This paper presents several simulation and experimental results of multi section power divider to show validity of the proposed design formula. Experiments show excellent performance of multi section power divider with multi-octave isolation characteristic.

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