

Abstracts

A new design procedure for single-layer and two-layer 3-line baluns

Choonsik Cho and K.C. Gupta. "A new design procedure for single-layer and two-layer 3-line baluns." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 777-780.

This paper describes a design procedure for a class of 3-line baluns. It is shown that the balun can be considered as a combination of two identical couplers. Thus the method developed uses the design of couplers with an appropriate coupling factor for designing this class of baluns. This procedure has been implemented for 2-layer configurations and verified by comparison with results from a full-wave electromagnetic simulation.

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