

Abstracts

Lumped-Element Circulator Optimization

E. Schloemann. "Lumped-Element Circulator Optimization." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 757-759.

A detailed theoretical model for lumped-element circulators is used as the basis for a synthesis procedure, in which the various circuit parameters are determined such that the lossless 3-port junction is a perfect circulator at the desired design frequency and that it has maximum bandwidth for given size of the ferrite disc.

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