

Abstracts

Compact Planar Microstrip-Slotline Symmetrical Ring Eight-Port Comparator Circuits

G.P. Riblet. "Compact Planar Microstrip-Slotline Symmetrical Ring Eight-Port Comparator Circuits." 1990 Transactions on Microwave Theory and Techniques 38.10 (Oct. 1990 [T-MTT]): 1421-1426.

In this paper it is shown that the common eight-port comparator circuit may be constructed starting from a fully symmetrical eight-port device. Several examples of symmetrical planar ring comparator circuits, which make use of microstrip and slotline transmission lines, are described. The ring circumference may be a wavelength or less at midband.

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