

Abstracts

An Octave-Band Switched-Line Microstrip 3-b Diode Phase Shifter

R.P. Coats. "An Octave-Band Switched-Line Microstrip 3-b Diode Phase Shifter." 1973 Transactions on Microwave Theory and Techniques 21.7 (Jul. 1973 [T-MTT]): 444-449.

The design of an octave-band (2.5-5.0-GHZ) switched-line diode phase shifter is described. An analysis showing the need for a choice of the shunt-diode switch configuration for broad-band operation is presented. Curves of even- and odd-mode impedance of parallel coupled microstrip lines employed in Schiffman differential phase shifters are presented. The configuration and performance characteristics of the phase shifter are described.

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