

Abstracts

Complete Determination of Circulator Eigenvalues With-Out Transmission Phase Measurement

C. Schieblich and U. Goebel. "Complete Determination of Circulator Eigenvalues With-Out Transmission Phase Measurement." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 489-492.

A method has been developed to determine all scattering parameters or their eigenvalues of a symmetrical three-port junction. Vector measurements are reduced to reflection coefficient measurements taken at one port. A versatile minicomputer controlled system is presented for analyzing and optimizing symmetrical junction circulators of any kind.

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