

Abstracts

An Explicit Six-Port Calibration Method Using Five Standards (Short Papers)

J.D. Hunter and P.I. Somlo. "An Explicit Six-Port Calibration Method Using Five Standards (Short Papers)." 1985 Transactions on Microwave Theory and Techniques 33.1 (Jan. 1985 [T-MTT]): 69-72.

A six-port reflectometer calibration method using five standards is developed, and gives explicit unambiguous expressions for the calibration constants. The standards are restricted only in that their impedances may neither all have the same magnitude nor all have the same argument. The method permits exact (nonidealized) descriptions of the standards to be used, and the redundancy inherent in the analysis is utilized to reduce the problems associated with measurement noise.

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