

Abstracts

The Six-Port Reflectometer: An Alternative Network Analyzer (Dec. 1977 [T-MTT])

G.F. Engen. "The Six-Port Reflectometer: An Alternative Network Analyzer (Dec. 1977 [T-MTT])." 1977 *Transactions on Microwave Theory and Techniques* 25.12 (Dec. 1977 [T-MTT] (1977 Symposium Issue)): 1075-1080.

Although the six-port measurement technique is rapidly gaining the attention of the microwave community, the theoretical development, to date, yields but limited practical insight into its operation. Following a brief review of the prior art, such that the six-port techniques may be placed in proper perspective, this paper presents an alternative introduction leading to much better insight, and to design criteria for a six-port circuit which optimally exploits the concept.

 [Return to main document.](#)