

Abstracts

A 0.01-18 GHz Wide Dynamic Range Precision Vector Ratio Meter

F.K. Weinert. "A 0.01-18 GHz Wide Dynamic Range Precision Vector Ratio Meter." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 442-444.

A dual channel complex vector ratio meter has a greatly improved dynamic range and higher accuracy than presently available Attenuator Calibrators or Network Analyzers. State-of-the-art performance is achieved through the application of a new Parallel IF Vector Substitution principle. It produces measurements in digital form over a 100 dB single step dynamic and display range, has 0.001 dB and 0.01° resolutions for a frequency range 10 MHz to 18 GHz.

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