

Abstracts

A Better Microstrip Connector

R.L. Eisenhart. "A Better Microstrip Connector." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 318-320.

A microstrip connector has been developed which has a VSWR ≤ 1.07 up to 18 GHz. Such low reflections allow very precision measurements to be made when characterizing microstrip components and circuit elements. Consequently this improvement in measurement resolution results in better design control and fewer design iterations. This performance has been achieved by incorporating a unique design which matches the electrical field patterns at the interface. Although a 7mm coax to 25 mil substrate design is shown here, the technique is applicable to other configurations and has been so applied.

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