Abstracts

Measurement of a 24-GHz Broad-Band Multilayer Ceramic Feedthru for Microwave Packaging

M.P. Goetz and G. Mancias, III. "Measurement of a 24-GHz Broad-Band Multilayer Ceramic Feedthru for Microwave Packaging." 1992 Microwave and Guided Wave Letters 2.5 (May 1992 [MGWL]): 171-173.

A feedthru using a microstrip to stripline to conductor backed coplanar waveguide (CBCWG) design is investigated for microwave performance. The feedthru was manufactured using a high-temperature cofired multilayer ceramic process. The study was instigated from the need to have a field-replaceable, Ku-band transmit/receive module as part of an existing DARPA MIMIC program. The result is a feedthru capable of transmitting microwave frequencies to 24 GHz with acceptable loss characteristics. The feedthru performance exceeds existing published results.

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