Abstracts

A new concept of RF feed-through applied to multichip modules for space equipment

P. Monfraix, T. Adam, C. Drevon, G. Naudy, B. Cogo and J.L. Roux. "A new concept of RF feed-through applied to multichip modules for space equipment." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1883-1886.

This paper presents the electrical design and measurement of a new microwave transition for MMIC packages, fully integrated in the fabrication process of multichip modules. Electrical simulations show very good results up to 27 GHz. Test samples have been realised with standard design rules from the MCM-C manufacturer on aluminium nitride substrate and electrical measurements up to 20 GHz show the same insertion losses as current RF feed-throughs.

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