

Proposed design solutions for low-cost flip-chip membrane devices for millimeterwave applications

S. Perrot, C. Person, L. Carre, H. Lattard and R. Ney. "Proposed design solutions for low-cost flip-chip membrane devices for millimeterwave applications." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1905-1908 vol.4.

The membrane technology appears as a convenient solution for millimeterwave applications. An alternative low-cost polymer membrane process is proposed in this paper, and extended to the design of high performance antennas. Technological compatibility with standard process is also discussed, and an original Flip-chip concept is proposed for membrane antennas.

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