

Abstracts

Quasi-optical E-band MEMS switching arrays

W.-K. Zhang, Fan Jiang, C.W. Domier and N.C. Luhmann, Jr.. "Quasi-optical E-band MEMS switching arrays." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1531-1534 vol.3.

This paper presents modeling, design, fabrication, and testing of an E-band MEMS based quasi-optical switching array. The quasi-optical MEMS switching array has been demonstrated with an isolation of better than 10 dB from 70/spl sim/85 GHz. The maximum demonstrated ON /OFF ratio is over 15 dB at 76 GHz.

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