

# Abstracts

## Micromechanical Membrane Switches for Microwave Applications

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*C. Goldsmith, T.-H. Lin, B. Powers, W.-R. Wu and B. Norvell. "Micromechanical Membrane Switches for Microwave Applications." 1995 MTT-S International Microwave Symposium Digest 95.1 (1995 Vol. 1 [MWSYM]): 91-94.*

This paper proposes the fabrication of low-cost, low-loss microwave switches using thin metal membranes actuated by electrostatic fields. Measurement of switch test structures and modeling indicates that these devices have a potential 1,000 to 2,000-GHz figure-of-merit. Various aspects of fabrication, design, performance, and application of these devices are discussed.

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