Abstracts

A low-voltage actuated micromachined microwave switch using torsion springs and leverage

Dooyoung Hah and Songcheol Hong. "A low-voltage actuated micromachined microwave switch using torsion springs and leverage." 2000 Transactions on Microwave Theory and Techniques 48.12 (Dec. 2000 [T-MTT] (Special Issue on 2000 International Microwave Symposium)): 2540-2545.

In this paper, a push-pull type microwave switch is proposed, which utilizes torsion springs and leverage for low-voltage operation. The switching operation up to 4 GHz is demonstrated. The actuation voltage is /spl sim/5 V. The insertion loss of /spl sim/1 dB and the isolation as high as /spl sim/40 dB at 1 GHz are achieved by the push-pull operation.

❑ Return to main document.