

Abstracts

Toggle-switch - a new type of RF MEMS switch for power applications

B. Schauwecker, K.A. Strohm, W. Simon, J. Mehner and J.-F. Luy. "Toggle-switch - a new type of RF MEMS switch for power applications." 2002 MTT-S International Microwave Symposium Digest 02.1 (2002 Vol. I [MWSYM]): 219-222 vol. 1.

A new type of RF MEMS switch for power applications using a push-pull concept is described. The switching element consist of a cantilever which is fixed by a suspension spring to the ground of the coplanar lines. The switching voltages are 30 V to close and 35 V to open. The switches exhibit low loss (<0.2 dB at 27 GHz) with good isolation (20 dB at 27 GHz).

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