

Abstracts

Distributed MEMS transmission-line BPSK modulator

N.S. Barker and G.M. Rebeiz. "Distributed MEMS transmission-line BPSK modulator." 2000 Microwave and Guided Wave Letters 10.5 (May 2000 [MGWL]): 198-200.

The application of a distributed microelectromechanical system (MEMS) transmission line as a binary phase shift keying modulator is presented. This modulator has the advantages of low loss and low required drive power compared to a typical semiconductor-based phase modulator. However, the modulation rate is limited by the mechanical resonant frequency of the MEMS bridges.

[Return to main document.](#)