21.6 Microelectromechanical Scanning Devices for Optical Networking Applications

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The state-of-the-art of optical MEMS devices for optical networking applications is reviewed, and a scanning micromirror with angular vertical comb (AVC) actuators is introduced. The AVC scanner uses a single etching process and is completely self-aligned. It has 50% larger scan angle than conventional vertical comb devices. Resonant frequency is 630Hz.





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