<u>EE 247B/ME 218</u>: Introduction to MEMS Design <u>Lecture 21m</u>: Capacitive Transducers

EE C245: Introduct

Voltage-Controllable Center Frequency UC Berkel Micromechanical Anchor Resonator Electrode Silicon Nitride Isolation Oxide Silicon Substrate 32.3 A000000 Quadrature force 32.2 voltage-controllable 32.2 ΪHΖ electrical stiffness: 32.1 Electrode 32.1 32. 32. $A_{0} = 88 \mu m^{2}$ <u>8</u> 31.9 d=1000Å 31.9 31.8 DC-Bias $[V_p]$ 0 15 20

LecM 12

/18/08







CTN 4/5/18

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