題目:李微松電子統技術方及應用 講者: 固定中與大學接地林华载慶良教授 J. MEMS: Micro Electro Mechanical System Zt=/um~/mm 到比。分子へしい ・病毒へしいい · 4880~10MM · 夏紫~100mm . = K ~ 10/cm ·晶图~10cm HOITE = 1. Surface Micromachining = deposition, lithography, etching + sacrificial Hleave 2. Bulk Micromachining 2, CMOS MEMS 将CMOS電路包MEMS供講整台 1. 去型作 CMOS電路 2. 再進行MEMS线其中工(P.St.-IC-Pracss) 至件置例:1.Accelerometer 2. Mi crostage 3. Gyroscope 4. Pro de-based data sturage 5. Hall Magentic Field Sensor 6. Mirror with Comb Drives 7. Intermole cular Force Detection

3. RF MEMS Switch

優点: 提托低, 效率性, 劉知此

缺点: 切換轉慢, 群性雪戏

康用 云约切换,通訊收發档 雷莲

電話 MEMS開閱 (Electrostatic MEMS switch)

·两程拉出! metal contact

2. Capacitive coupling

·元件组成:1. membrane

2. die lectric

3. subst late

4 - spring

5- anchor

\$P. Improved RT MEMS Switch (generation 2nd) >改良穩定性+降級點動變

5. Micromechanical resonator

- · Hyh Performance transducer
- · law cost
- · Easy integrate with light, electricity, head and magnet on a dip
- · Good stability at temperature and ageing

Application:

Wireless communication system

