2025, 9.3	(京)	拨電桌文中學	 統技術 大學機	及應用概義	影	教授
Micro Ele	ectro Mec	hanical S	system			
/nm		Jum		/mm		In
Molecula	Virus	Transistor	Cells /	lair	chip	Water
Molecula (NInm)	~ (oum)	(~1 µm)	(N10pm) (N	losum)	(N/mm)	Water (10cm)
Machantcal	RF switch (44)	械式射頓開開)				
Micro Panoible						
Switch Type	Insertion loss	Isolation	Power handing	Power Consumption	Switching sport	(ost
PIN diodes	Good	Good	God	Poor	Good	Good
Grades PETS		Good	Good	Good	Excellent	Poor
MEMS	Excellent (o. No.6dB)	Excellent (_co-50B)	Excellent	Excellent	Poor	Good
switches	(3, 1/0, 160)	(200-3520)			. 1 = //	
Appecation	of RF	MEMS &	switch El	ectrostatic -	Pype MEN	Suitehs
11	1	Smitch	An Tenna			
Transmitte	7 05	Smirch 2		(Metal co Capacitive	Coupling	
		9		'		
		reciver/				
Micromechan						
1. High P	performance	Transducer				
2. low (Cost					
3. Easy	Pointegra	ee with	light ele	fricity, heat.	maget an	chip
Hade Grad	Good note:	Sability and	ageing			