

21C

2002

42

... R&D

830

가 1995

(Micro Electro Mechanical System)

HDD, 가 .

6 , .

21 .

1995 12 2002 9 830 . 1995 32

, 32 200 64 200 1998 13 900 , 1999 13

4700 , 2000 29 5750 . 415

MEMS

(: 100)

1995	3,200	3,202	6,402
1996	4,500	3,697	8,197
1997	6,807	5,459	12,266
1998	7,122	5,968	13,090
1999	6,470	7,000	13,470
2000- 2002	13,401	16,174	29,575
	41,500	41,500	83,000

20

, MEMSware, ,

가 SOI Isolation , 가 , 가 .

DNA , , , , , TV

Projector

MEMS

, 3 , 8000 , 10 2000

, (IEEE) 2001 2 14

4

MEMS

(: 100 , 100)

	1996		2002	
	1	10	100	1000
	1	50	40	1000
(lab- on - chip)	0	0	100	1000
magneto- optical head	0.01	1	100	500
	0.1	10	1	300
(coil- on - chip)	20	10	600	100
	-	0.1	50	100
	0.1	5	2	80
inclinometer	1	10	20	70
	10	10	30	30
	0.01	0.5	2	20
(electronic nose)	0.001	0.1	0.05	5
	-	107	-	4205

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