Laser

“ ”

, 2001

119

64%

IMF

가

1998 134 , 2000 177 , 2001 186 12% 가

97%가

1998 68 (51%), 2000 97 (55%),

2001 119 (64%)

가

. CD, DVD,

5 4

, 5
7 3

(: , %)

	1997		1998		1999		2000		2001		2002.4			
	190	6	124	10	164	2	174	3	181	5	56	1	889	27
			-31.6		23.9		6.6		5.1				*11.8	

* 3

3

, LG ,

1996

56%

, 3

Sony(),

(),

Mitsubishi()가 1996

24%

(: , %)

	1997	1998	1999	2000	2001	2002.4	
	196	134	166	177	186	57	916
	103	68	97	97	119	37	521
	52.6	50.7	58.4	54.8	64.0	64.9	56.9

64 22 14

5

가

1997 4.5% 2001 23.3%

(:)

	1997	1998	1999	2000	2001	2002.4	
	41	17	26	13	11	5	113
LG	18	20	7	9	34	20	108
	16	9	23	10	7	5	70
Hynix	19	5	3	0	1	0	28
Sony	4	5	9	8	9	1	36
Cymer	3	0	5	16	5	6	35
Mitsubishi	9	3	2	2	6	1	23

, , , 가 ,

, 73%가

(GaN) III-V

가

(: , %)

		1997	1998	1999	2000	2001	2002.4	
		111	86	98	80	103	39	517
		86	62	55	35	63	22	328
		77.5	72.1	56.1	43.8	61.2	69.2	63.4
		20	17	33	24	16	5	115
		18.0	19.8	33.7	30.0	15.5	12.8	22.2
		5	7	10	21	24	7	74
		4.5	8.1	10.2	26.3	23.3	17.9	14.3

가

(:)

		1997	1998	1999	2000	2001	2002.4	
		103	68	97	97	119	37	521
		94	64	76	47	76	22	379
		1	0	5	14	11	6	37
		6	3	4	6	11	6	36
가		0	0	5	22	6	1	34
		2	1	3	2	11	1	20
		0	0	4	6	4	1	15

(Laser Diode)

(Carrier)

(electron)

(hole)

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