

1.				.....	4
1.1	IDM		MOSFET	.....	4
1.2				.....	6
1.3	5%	20%	IPO	.....	8
2.				.....	11
2.1				.....	11
2.2				.....	13
2.3				.....	15
3.				.....	17
3.1	IDM			.....	17
3.2				.....	19
3.3	+			.....	22
4.				.....	24
5.				.....	24

1				.....	4
2	2016-2020			.....	6
3	2016-2020			.....	6
4	2016-2020H1			.....	7
5	2020H1			.....	7
6	2016-2020Q3			.....	7
7	2016-2020Q3			.....	7
8	2016-2020Q3			.....	8
9	2016-2020Q3			.....	8
10				.....	8
11				.....	9
12	2014-2021E			.....	11
13	2019			.....	11
14	2014-2021E			.....	11
15	2019			.....	11
16	2018			.....	12
17				.....	12
18	MOSFET			.....	12
19	IGBT			.....	12
20				.....	13
21	IGBT			.....	13

22	MOSFET	.....	14
23	MOSFET	.....	14
24		.....	15
25		.....	15
26	2020 PC	.....	16
27	5G	.....	16
28	IDM	.....	17
29	2018-2019	.....	19
30	MOSFET IGBT	.....	22
31	2016-2018 MOSFET IGBT	.....	22
32		.....	23
1		.....	5
2		.....	5
3		.....	9
4		.....	16
5		.....	18
6		.....	18
7		.....	20
8		.....	21

1.

1.1

IDM

MOSFET

4

6

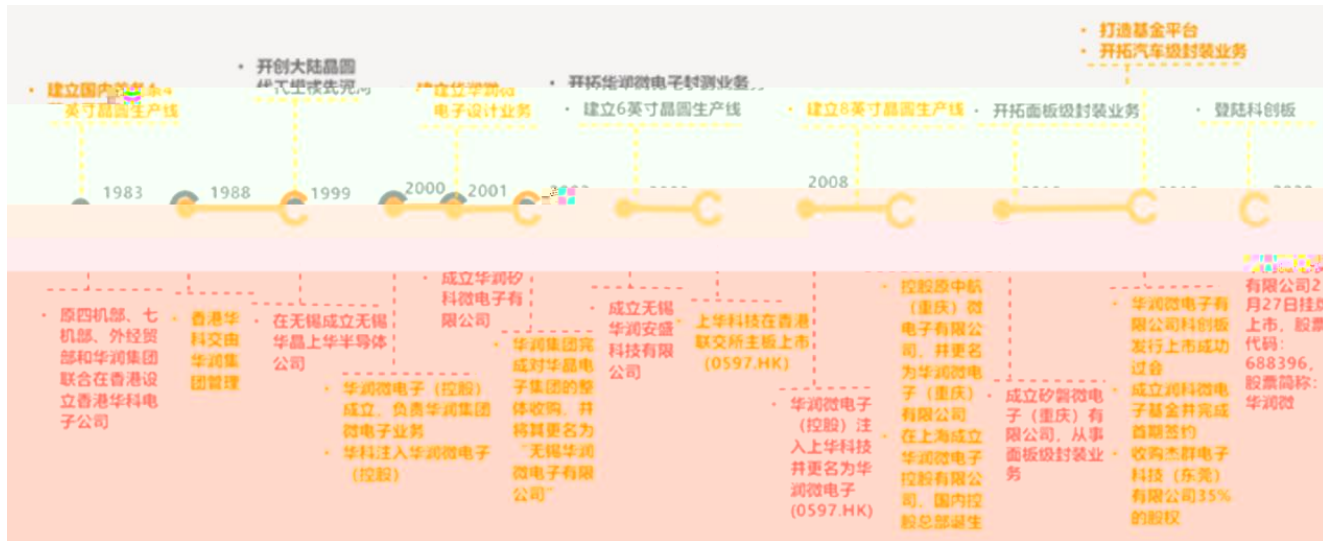
2004

2018

IDM

MOSFET

1



80%

FRD	IC	IC	MOSFET	IGBT	SBD
	IDM		-100V	1500V	MOSFET
	MOSFET		MOSFET		SBD
8	Trench	Trench-FS	600V-6500V	IGBT	
FRD					
IC		IC			

1



MOSFET

1	8	MOS	MOS	MOS	SBD	60			
						199			
		QFP	QFN	PQFN	FC-QFN	TSSOP	SSOP	MSOP	62
		IPM							69
									2.4

15% MPS International, Ltd Diodes Incorporated

2016-2019
 13.4% 11.1% 11.1% 11.3%

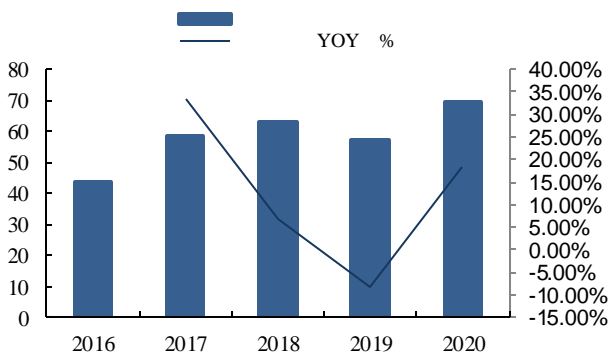
1.2

19 2016-2018 43.97 58.76 62.71 57.43 8.42%

20 2019 19.42% 2019 2019 5G AI VR/AR

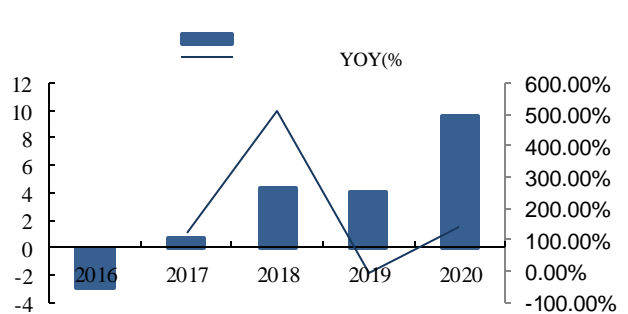
20 2020 69.77 21.49% 9.60 139.66%

2 2016-2020



wind

3 2016-2020



wind

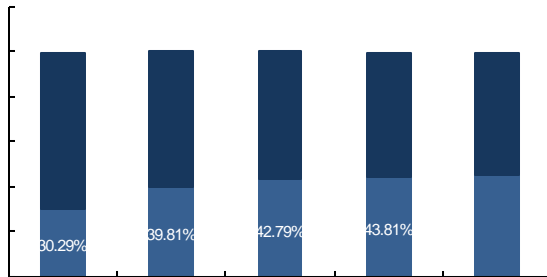
2016 30.00% 20 44.70%

2020 IC IC

34.37%

4 2016-2020H1

5 2020H1



wind

wind

2016 9.91% 2016-2020Q3 2019 17.76%

2019 29.48% 14.49% 17.62% 25.20% 22.84% 28.13%

13.6% 2016-2018

2016-2020Q3

16.9% 16.1% 15.2% 17.5% 2019

2020

6 2016-2020Q3

7 2016-2020Q3

wind

wind

4.50 4.83 3.71 2016-2018

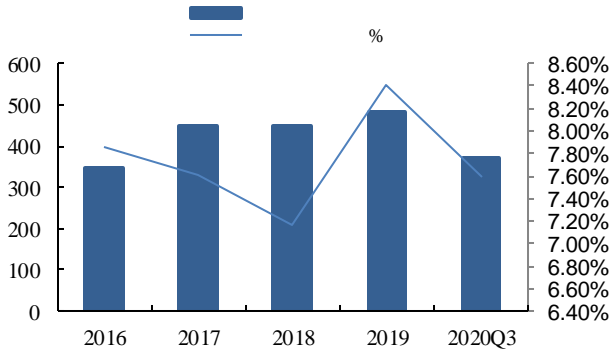
20 50%

2016-2020Q3 3.46 4.47 7.86% 7.61% 7.17 8.40% 7.59% 7% 19

20

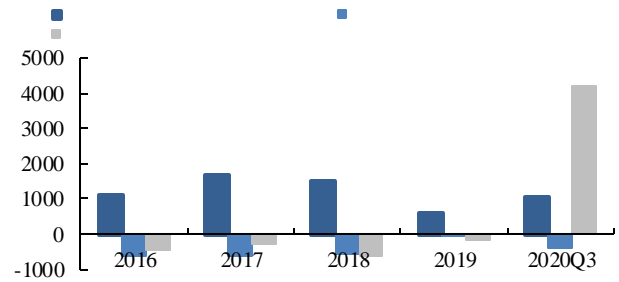
20

8 2016-2020Q3



wind

9 2016-2020Q3



wind

20

2016-2020Q3

11.03 16.68 14.82 5.76 10.32

1.3

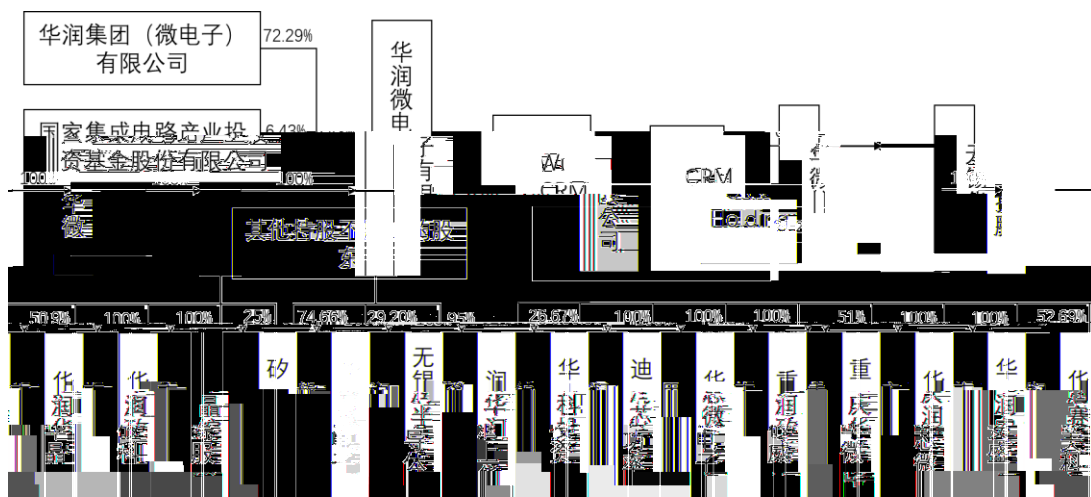
5% 20% IPO

5%

70%

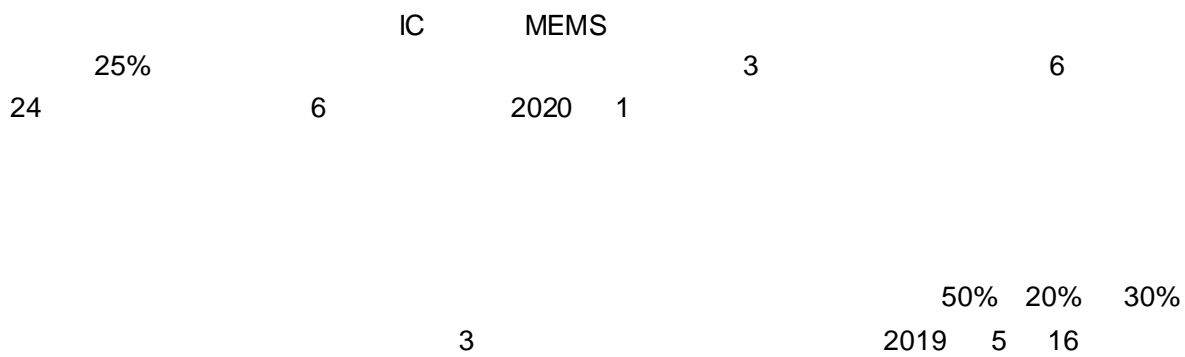
6.43%

10



11

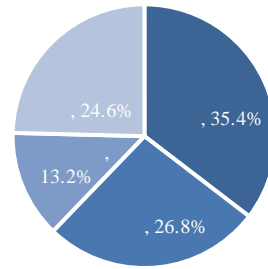
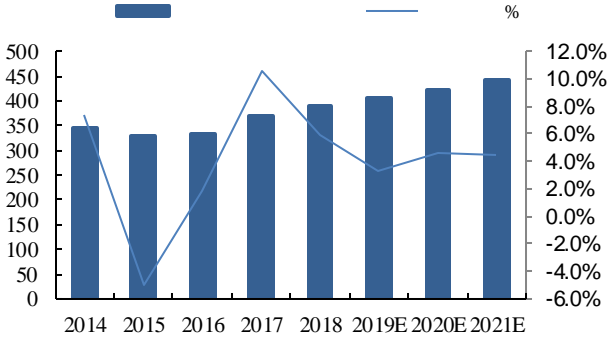
IPO



2.

2.1

IHS Markit 2019 2016-2019
404 2018 3.3% 2021 441 2019
6.5%
35.4% 26.8% 2019 13.2%
12 2014-2021E **13 2019**

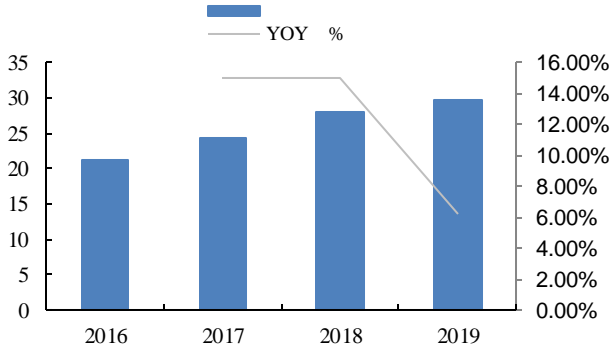


IHS Markit

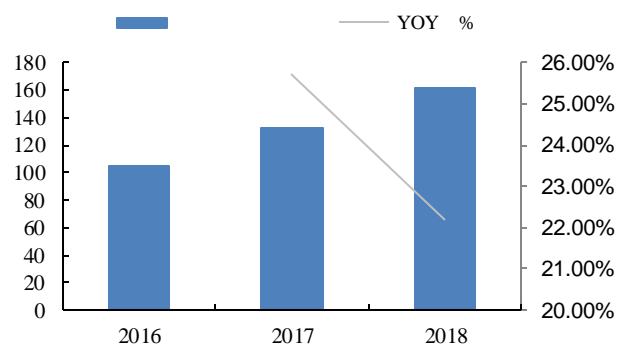
IHS Markit 2019 2018
35.6% 144 4.3% 2021 159
2016-2019 8.7%
27.4% 23.1%
IC MOSFET IGBT IHS Markit 2018
IC 61% 34%
39%

14 2014-2021E

15 2019



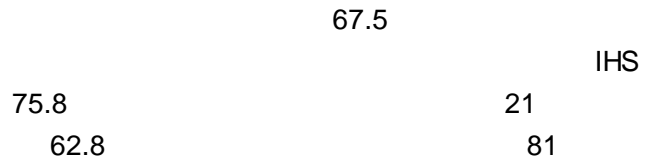
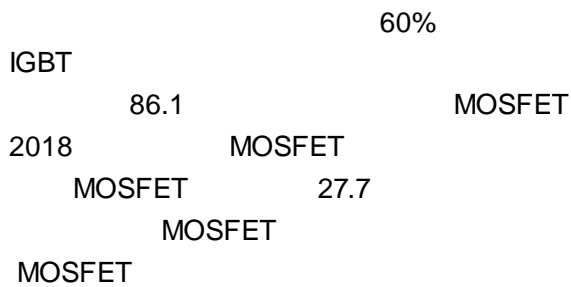
IHS Markit



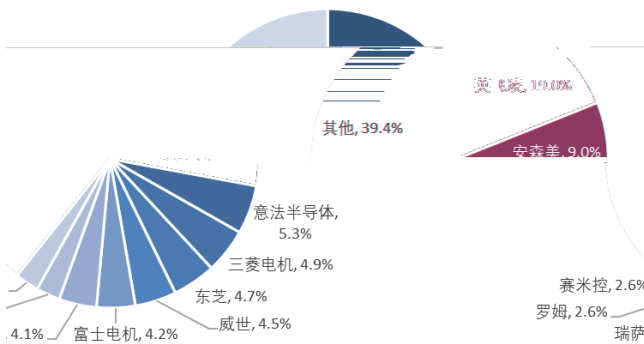
2.2

MOSFET

IHS Markit

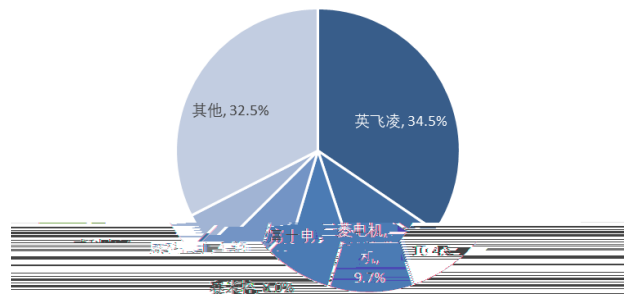


20



IHS Markit

21 IGBT



IHS Markit

22 MOSFET

23 MOSFET

IHS Markit

IHS Markit

1999 2000
2020 4 16
2700 2020

1999
9 30 85

Chua Chee Seong
Chua

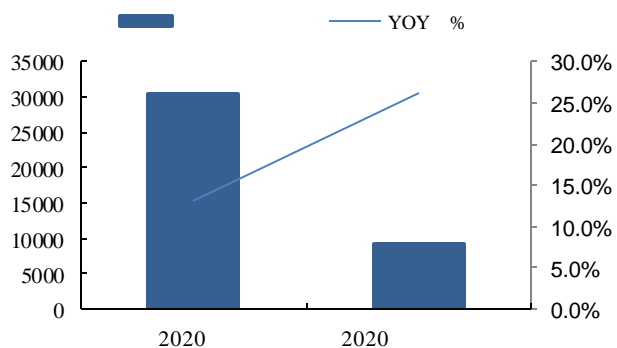
LED

2.14

LED (LFM) 230

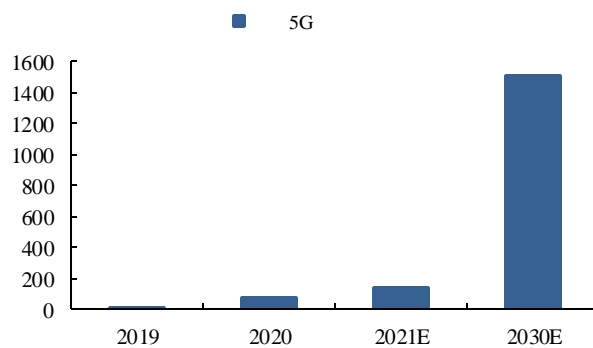
2019 55.18
2020 12

26 2020 PC



IDC

27 5G



2020 11

40%

4

/				
		5.31	0.32	4.75%
		1.9		
		13	2.24	23.24%
8		15	5.56	13.24%
	12	100		
8		40	12.77	160.83%
	8	15	6.09	20.26%
	8	7.5		
	8	2.2		
	IGBT	2.5	0.43	16.54%
	IPM	2.2		

3.

3.1

IDM

IDM

IDM

IDM

2020

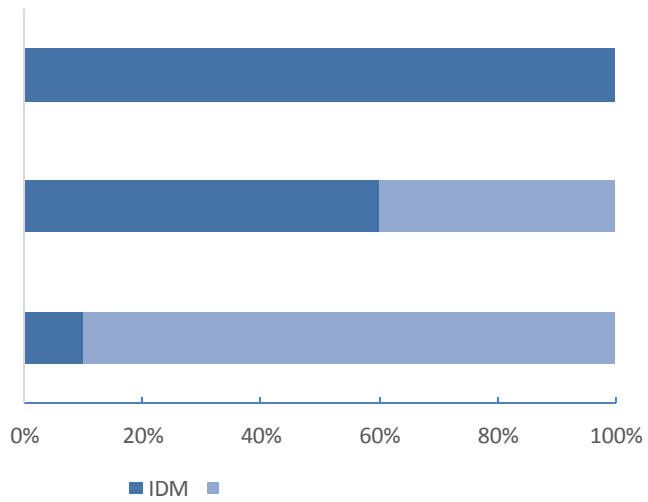
IDM

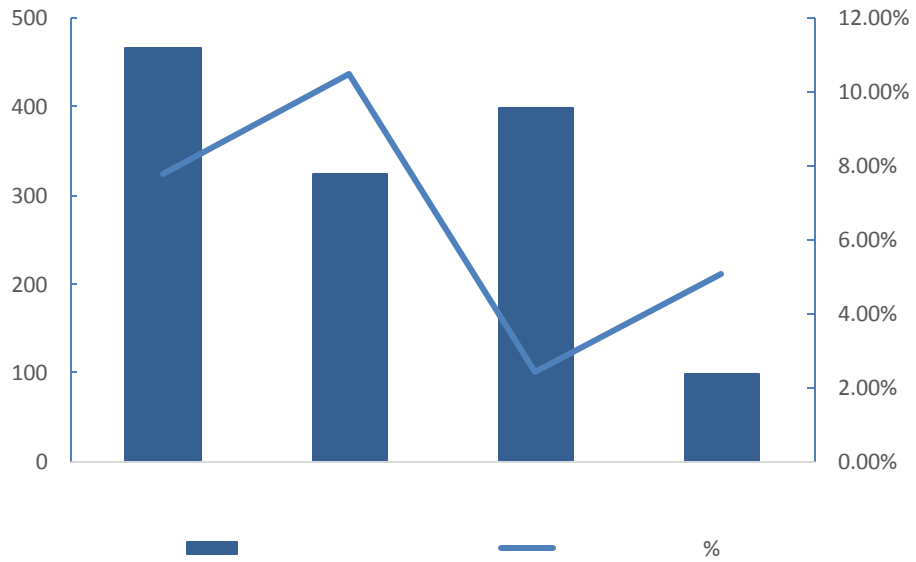
2018

IDM

IDM

28 IDM





wind

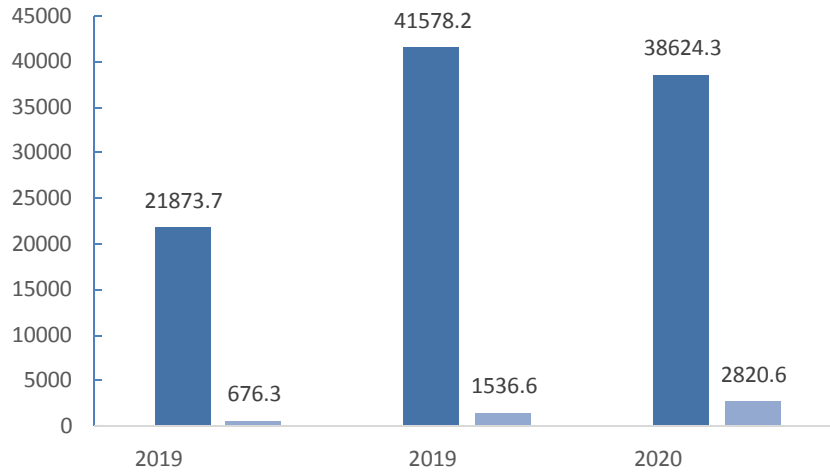
	IPM	SBD	BCD	MEMS
3	9			6
	247 / 8		133 /	
	2019 6 30		2428	282
	1325	1173	152	

7



2019 200 1800
2020 76.6% 317.1%

32



50

12

4.

2020-2022		9.60	14.75	18.36	EPS	0.79	1.21	1.51
2020-2022	PE	76	49	40				

5.

1.

5G

2.

IPO

3.



|

2020 Wind 2018/2019 TMT 2020 / 2018
II

2019

2019
