

Category	Sub-category	Value	Total
1.	1.1	IDM	4
	1.2		6
	1.3	5% 20% IPO	8
2.	2.1		11
	2.2		13
	2.3		15
	2.4		17
3.	3.1	IDM	17
	3.2		19
	3.3	+	22
	3.4		24
4.			24
5.			24

1		4
2	2016-2020	6
3	2016-2020	6
4	2016-2020H1	F4

22	MOSFET		14
23	MOSFET	V	14
24			15
25			15
26	2020	PC	16
27	5G		

1.

1.1

IDM

MOSFET

4

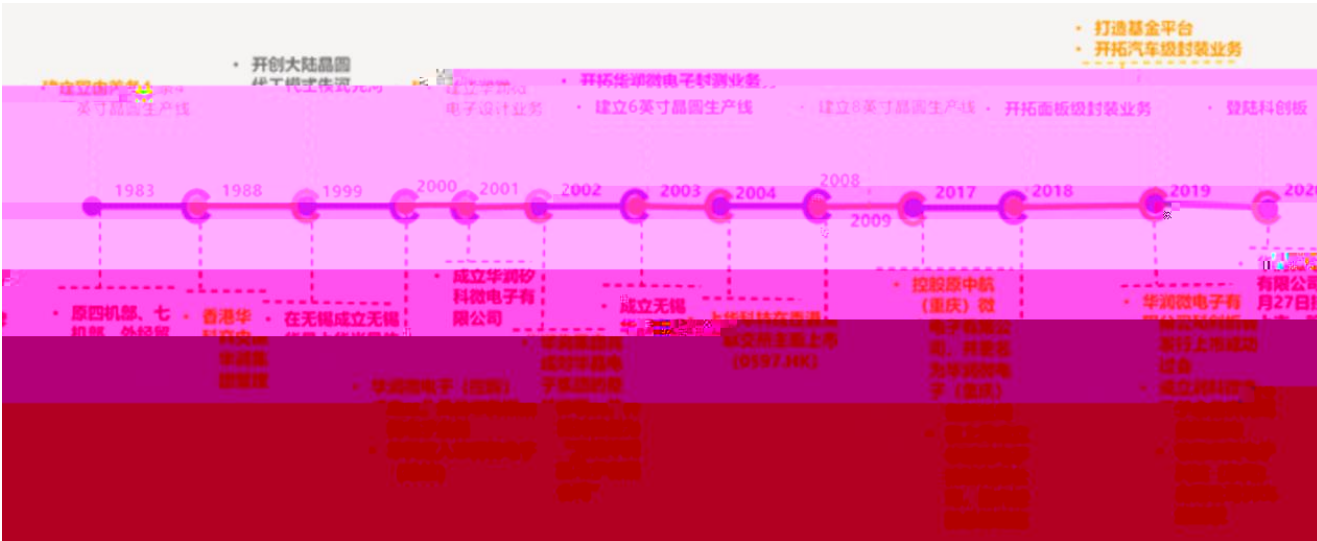
6

2004

2018

IDM
MOSFET

1



80%

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

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

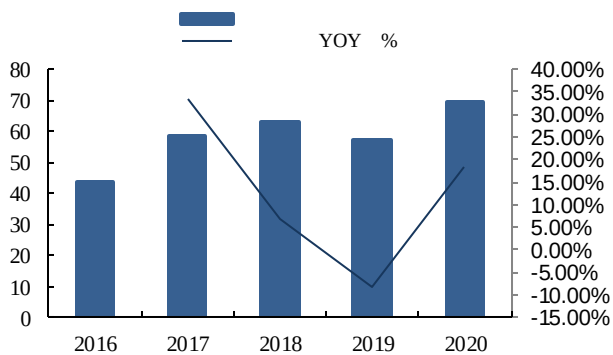
2016-2019

13.4% 11.1% 11.1% 11.3%

1.2

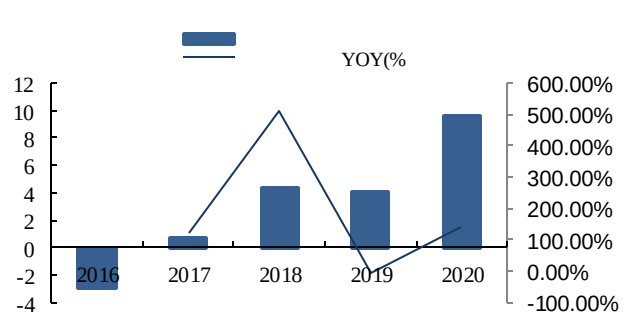
		19		20	
2016-2018		43.97	58.76	62.71	19.42% 2019
	57.43	8.42%			2019
				5G AI	VR/AR
		20			
2020		69.77		21.49%	9.60
	139.66%				

2 2016-2020



wind

3 2016-2020

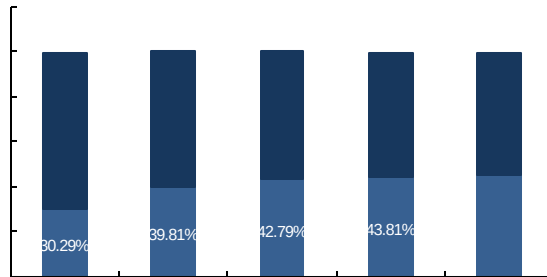


wind

	2016	30.00%	20	44.70%
2020				
IC				
IC				

34.37%

4 2016-2020H1



5 2020H1

wind

wind

2016

9.91%

2016-2020Q3

2019

25.19%

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

7.86%

7.61%

7.17

8.40%

7.59%

7%

3.46

4.47

19



P8

688396

IDM

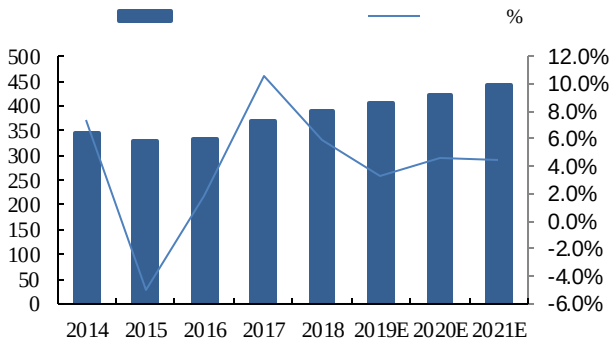
11

IPO

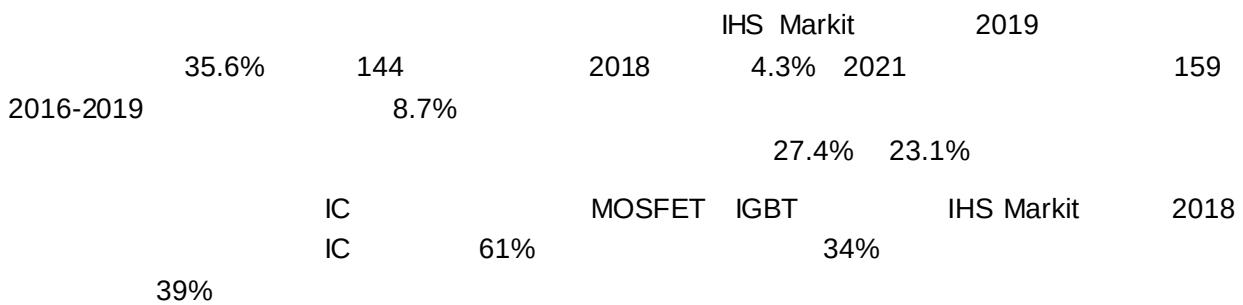
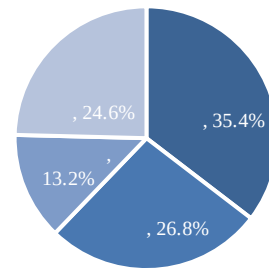
Category	IC	MEMS
2020	6	1
2019	3	5

2.

2.1

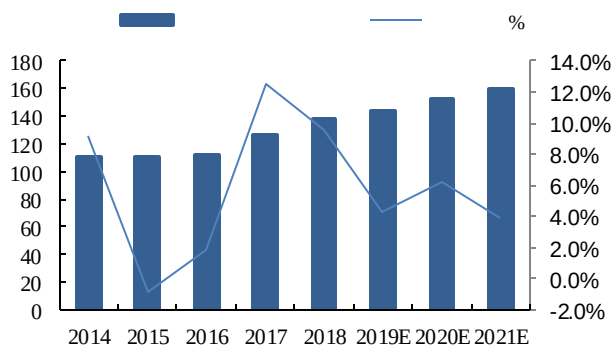


IHS Markit

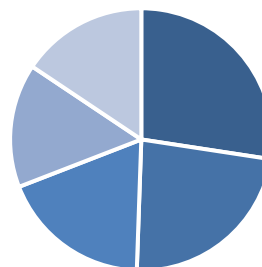


14 2014-2021E

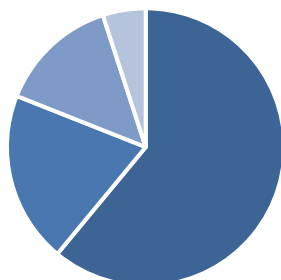
15 2019



IHS Markit

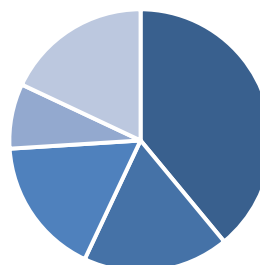


16 2018



IHS Markit

17



IDC

MOSFET IGBT

MOSFET IGBT

2018 20% 14%
2016-2018 IGBT 23.9%
5
2019

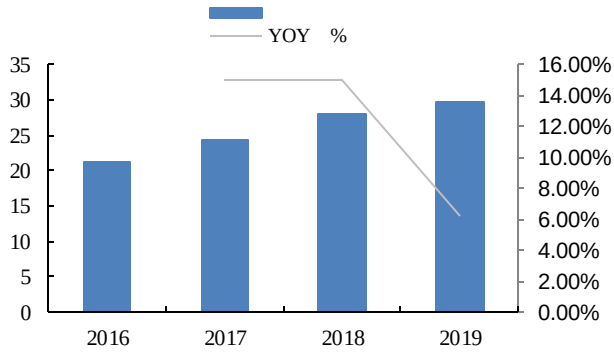
2016-2019 MOSFET 12.0%
MOSFET IGBT
2017 3.25% 8.34%
10%

18

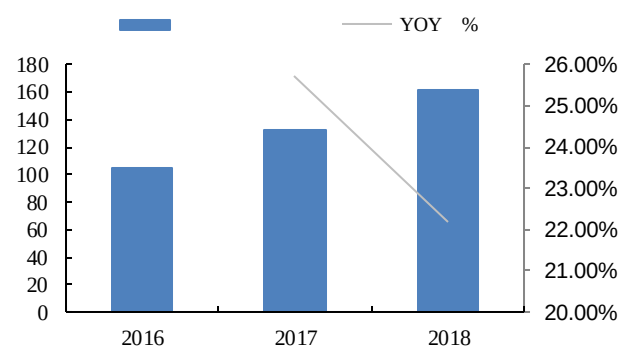
MOSFET

19

IGBT



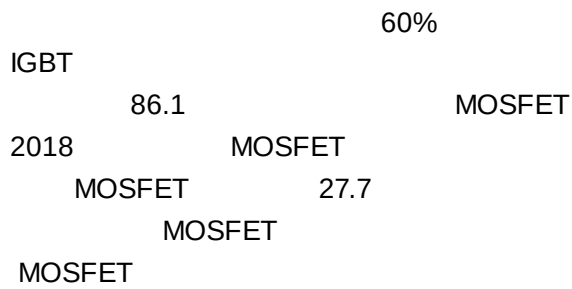
IHS Markit



2.2

MOSFET

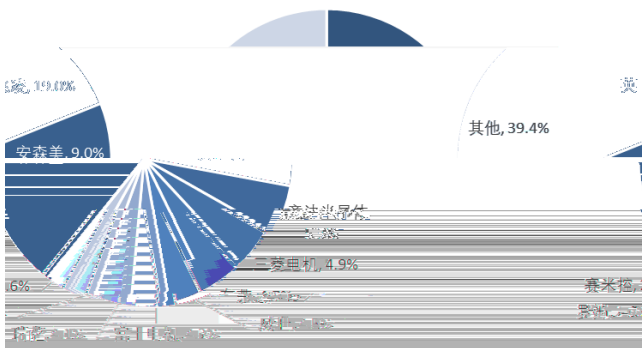
IHS Markit



75.8
62.8

67.5
21
81

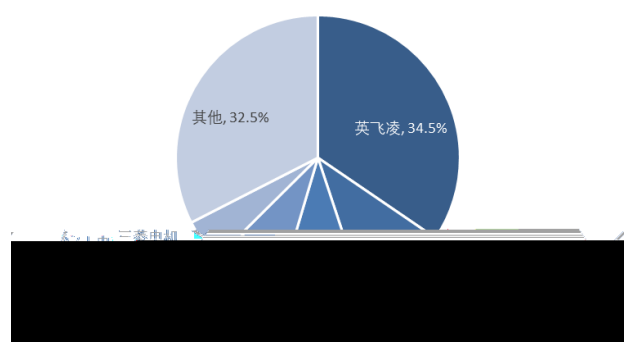
20



IHS Markit

21

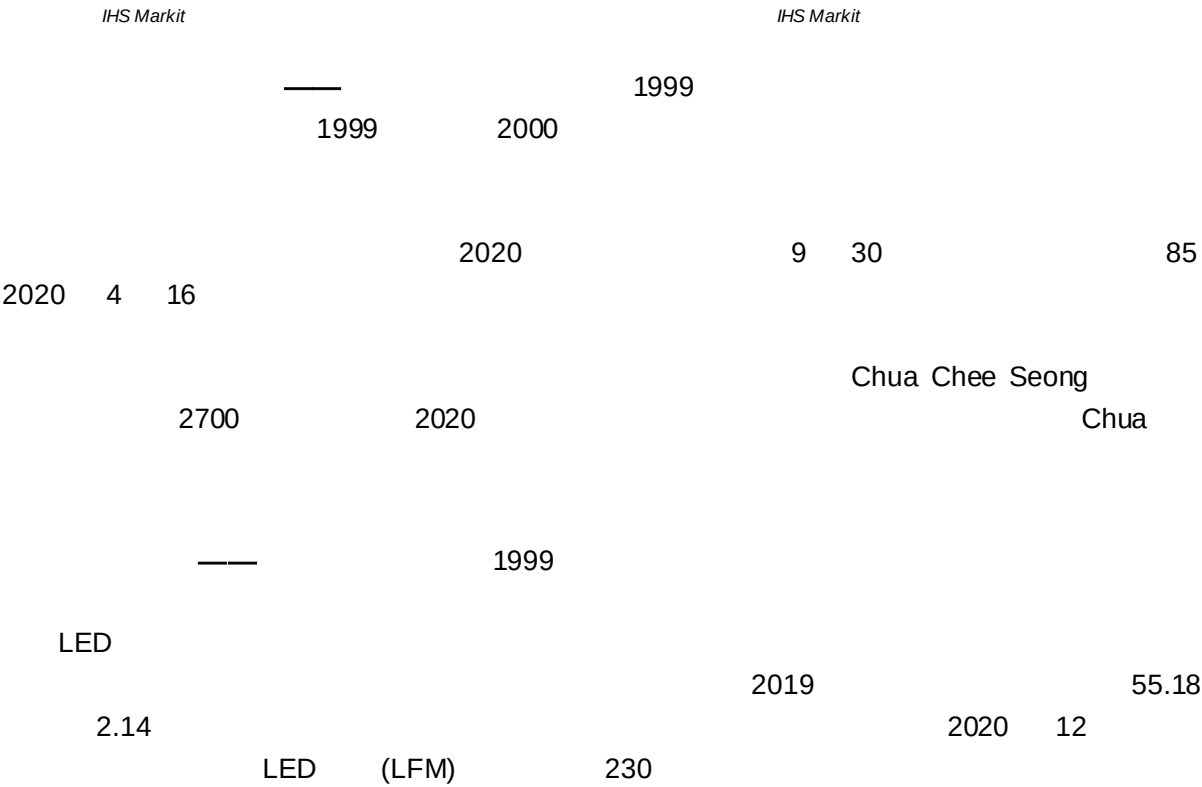
IGBT



IHS Markit

22 MOSFET

23 MOSFET



2.3

26 2020 PC 27 5G

IDC

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%

3.

3.1

IDM

IDM

IDM

IDM

2020

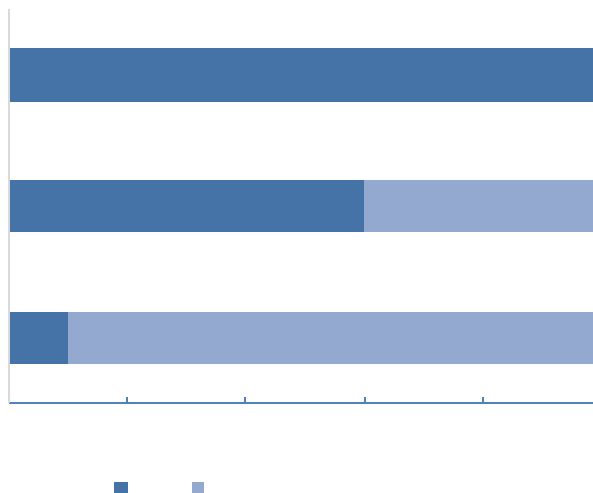
IDM

2018

IDM

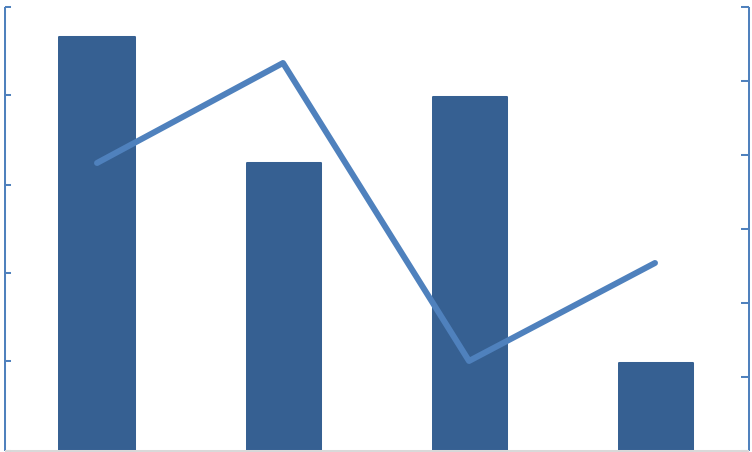
IDM

28 IDM



5 2020

2019		
1	702.44	IDM
2	561.97	IDM
3	SK 252.71	IDM
4	220.98	IDM
5	179.06	



wind

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

7				
1	MOSFET	MOS	29	80
		VDMOS	33	2
			37	
		MOS	7	5
			11	
2	IGBT	IGBT	76	2
			82	
3		SBD	16	5
			18	
		FRD	20	1
			11	
4	IC	IC	10	6
			9	
			4	

MEMS		35	41	6
		19		
5	IC	IC	15	3
		23		
		6		
		IC	19	2
		16		
		6		
LED	IC	18	49	18

2019	200	1800
		W O

4.

2020	Wind	2018/2019	TMT II	2020	/	2018
		2019				

300

6

15

5 15

-5 +5

5

300

6

5

-5 +5

5

16 5 B 5 248 46F 6009

100033

010-66554070

010-66554008