

1.	IDM	.....	5
1.1	IDM	.....	5
1.2		.....	6
1.3		.....	8
1.4		.....	9
1.5		.....	12
1.5.1		.....	12
1.5.2		.....	13
1.5.3	IDM+	.....	14
1.6		.....	14
2.		.....	16
2.1		.....	16
2.1.1		.....	16
2.1.2		.....	17
2.2	AIOT MEMS	.....	22
2.3		.....	25
2.3.1	PMIC MCU IPM	.....	25
2.3.2		.....	30
2.4		.....	35
2.4.1		.....	35
2.4.2		.....	38
3.		.....	40
4.		.....	41

1	.....	5	
2	2019H1		6
3	.....	7	
4	.....	7	
5	.....	7	
6	.....	7	
7	.....	7	
8	.....	8	
9	.....	9	
10	.....	9	
11	.....	10	
12	.....	13	

13		.....	13
14	IDM	.....	14
15		.....	16
16		.....	16
17		.....	17
18	2019	.....	17
19	2018	.....	17
20	2016-2018	.....	17
21		.....	18
22	48V/	.....	18
23	/	.....	18
24		.....	19
25		.....	19
26		.....	19
27		.....	20
28		.....	20
29		.....	20
30		.....	21
31		.....	22
32		.....	22
33		.....	22
34	MEMS	.....	23
35	MEMS	.....	23
36	MEMS	.....	23
37	2019 MEMS	.....	24
38	2016-2021 MEMS	.....	24
39	MEMS	.....	24
40		.....	24
41	MEMS	.....	25
42		.....	26
43	IC	.....	26
44	IC	.....	26
45	IC	.....	27
46		.....	27
47		.....	27
48	MCU	.....	28
49	2019 MCU	.....	28
50	2019 MCU	.....	28
51	2019 MCU	.....	28
52	IPM	.....	29
53	IPM	.....	29

54				29
55	2019	MCU		30
56	2019	IPM		30
57				30
58				31
59	GaN			32
60	2020	4	GaN	33
61		GaN		33
62	IC	IC		35
63				35
64				36
65				37
66				38
67				38
68				39
69				39
1				5
2			2019 6	10
3				10
4				11
5	2019H1			12
6	IDM	Fabless		14
7				15
8		MOSFET		21
9				31
10				32
11	GaN	Type-C 65W		34
12		GaN		34
13				36
14				36
15				37
16				40
17				40
18				41

1. IDM

1.1 IDM

IDM

2018

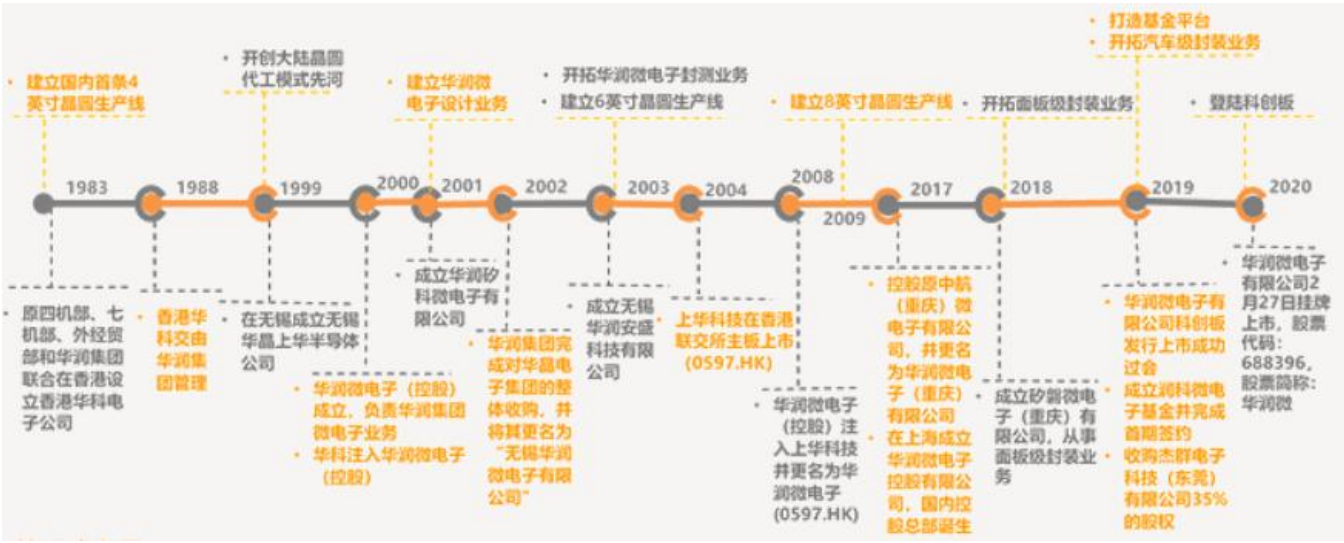
IDM

4

6

2004

1

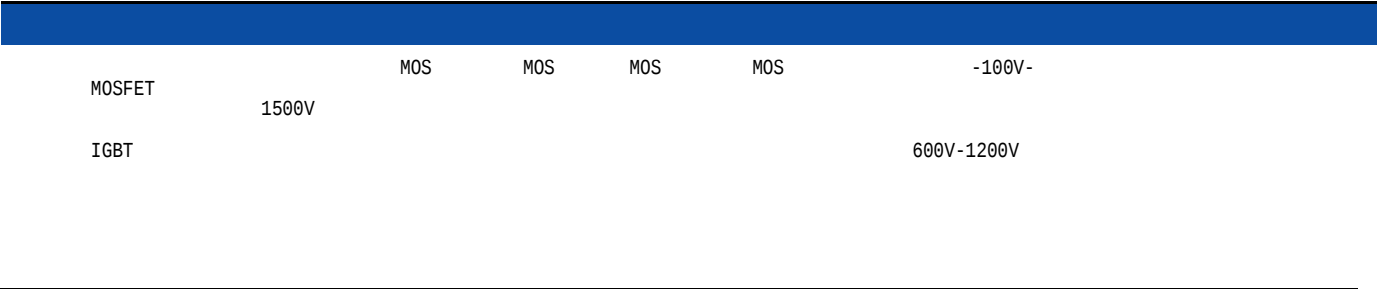


IDM

IC
IC

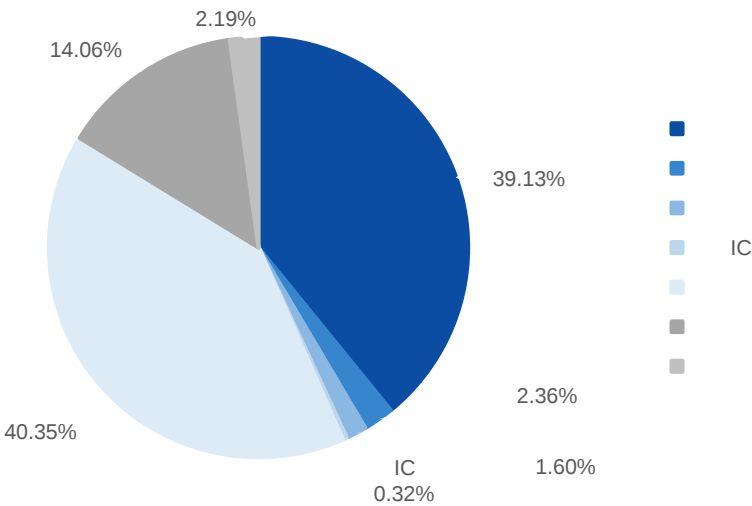
MOSFET IGBT SBD FRD

1

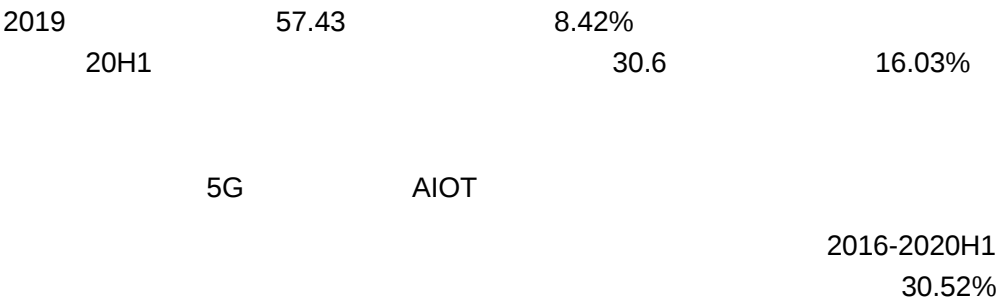


SBD			SBD	SBD	45V-150V
	200mA-30A				
FRD			200V-6500V		
AC/DC	AC/DC				
LED	IC	LED			
BMS	IC				
	IC		78 1117		100mA-1A
IC	IC			100W	
	IC		,		
	IC		AB	D	
		5mW50W			

2 2019H1



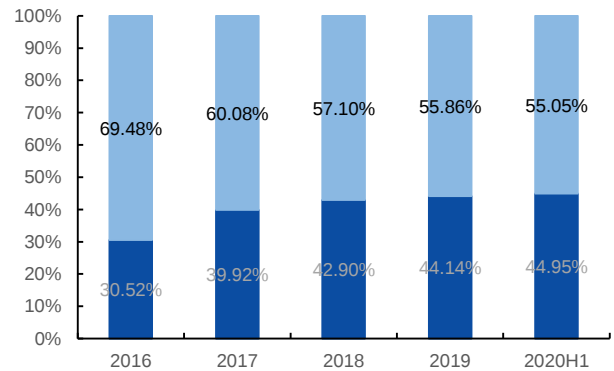
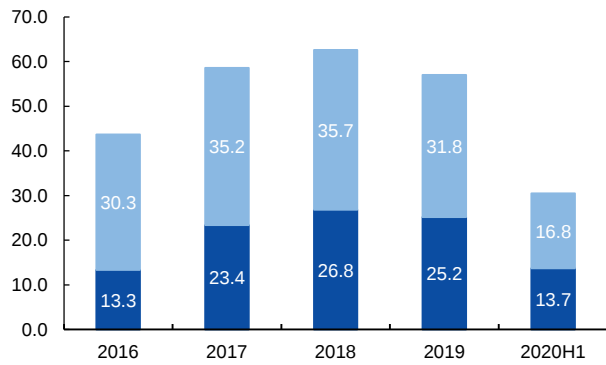
1.2



44.95%
22.31% MOSFET
49.90%
2020H1
21.43% IGBT

3

4



Wind

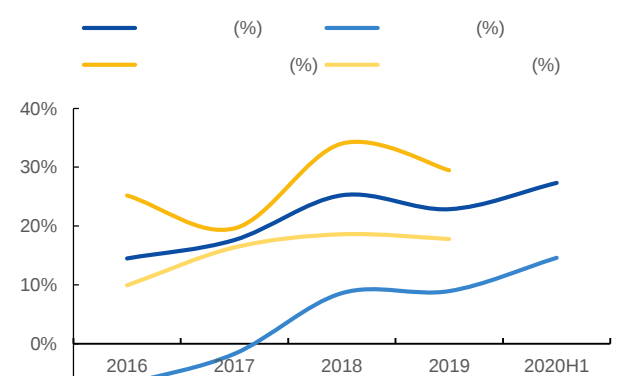
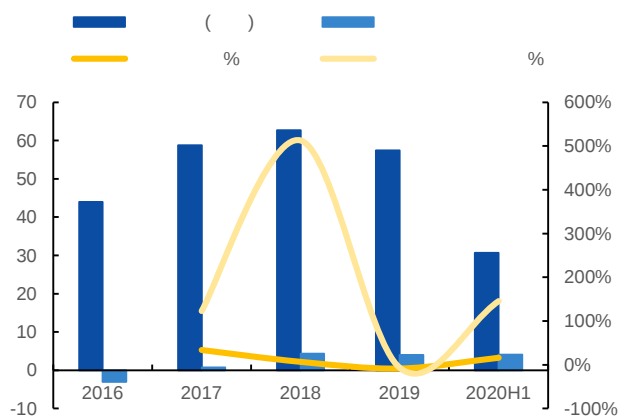
Wind

2016-

2018
22.8%
2.36% 20H1
2019
27.3%

5

6

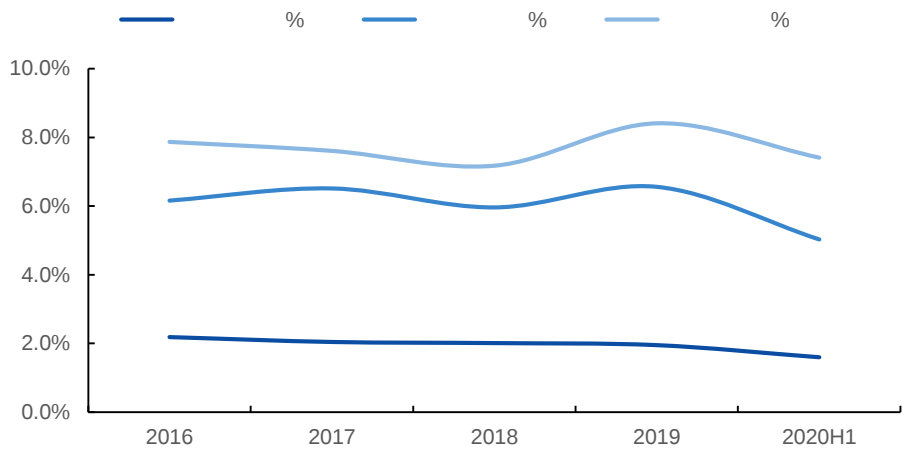


Wind

Wind

7-8%
2019H1
2020H1
7.33%
5.4%

7

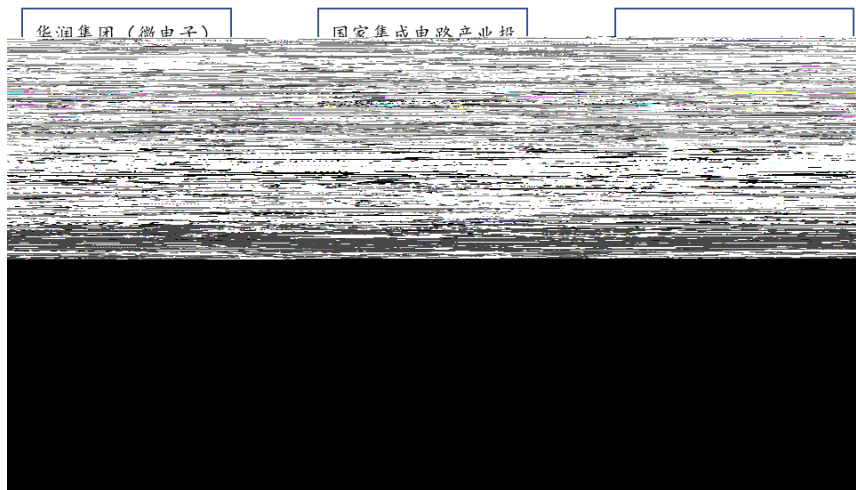


Wind

1.3



8



IC

9

	设计	掩膜	封装测试
集成电路	华润矽威100% 华润矽科100% 华润半导体（深圳）100%	迪思微电子100%	华润安盛100% 华润赛美科100% 矽盘微电子48.73% 杰群电子（车硅级）35%
		晶圆制造 华润上华100%	
功率器件	华润华晶99.66% 重庆华微52.69%	华润华晶99.66% 重庆华微52.69%	华润华晶99.66%

自有产品

持股比例%

代工服务

1.4

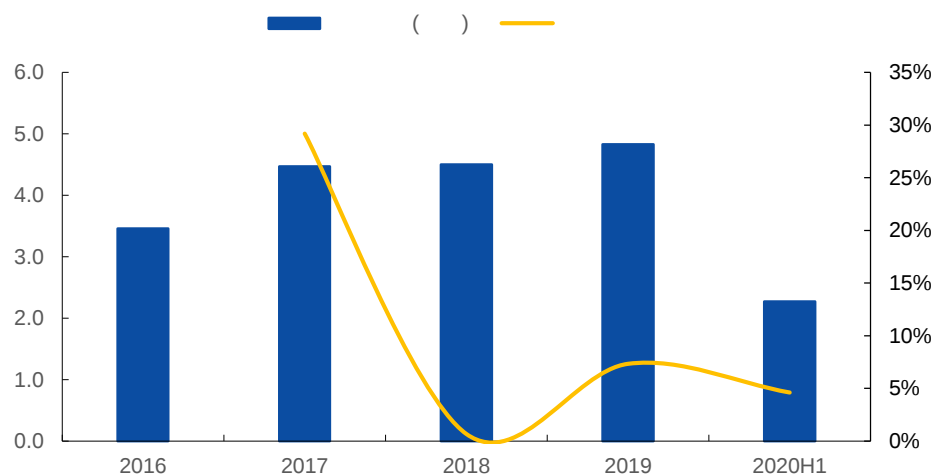
2016-2019

7-8%

3.46 4.47 4.50 4.83

MOSFET IGBT

10



Wind

707

MEMS

MCU

11

Wind

2	2019	6
	/	
	MEMS	IPM

3

/

MOS

FOM

MOSFET

VDMOS

UIS

EMI

MOS

IGBT

IGBT

Trench-FS

8

Trench

45V-150V

SBD

FRD

IC

WPC

QI

EMI

2-7

IC

5-8

10

IC

LED

IC

700V

PMIC

MEMS

IGBT

4

650V

243,540,000

10,828,400

4.4%

SiC

4

SiCJBS

142,170,000

21,749,700

15.3%

MOSFET

IGBT

IGBT

59,547,100

4,018,700

6.7%

FS-IGBT

500V							
SOI-BCI					43,640,800	2,785,300	6.4%
20-30V DrMOS							
20-30V DrMOS					PC	20,000,000	0 0.0%
AC-DC Fly-back							
AC-DC Flyback					USBPD	20,000,000	0 0.0%
					LED		
GaN					GaN	39,480,000	745,100 1.9%
0.11 BCD					BCD		
					BCD		
					PMIC subPMIC	78,750,000	2,766,100 3.5%
					FC QFN, LGA	550,000,000	332,805,780 60.5%
MEMS						15,000,000	1,273,300 8.5%
32 MCU						42,000,000	1,534,200 3.7%
					2 32		
200V					200V	10,000,000	432,244 4.3%
MOS							
					4500V VDMOS	4,500,000	390,756 8.7%

2020

1.5

1.5.1

2016-2019H1

20%

15%

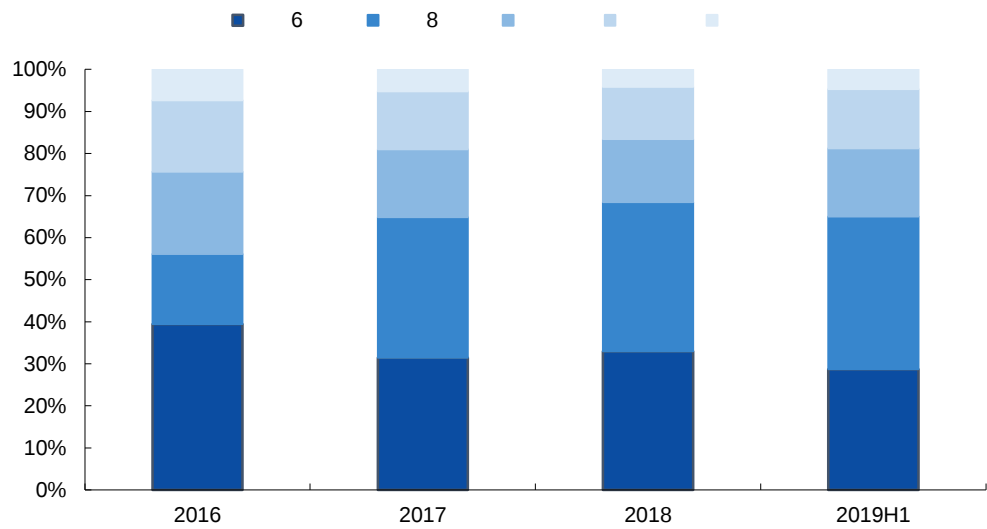
5 2019H1

(			
	9724.23	9%	0.2548
	6354.22	6%	0.1674
SK Siltron Co Ltd	3293.99	3%	0.0868
SUMCO Corporation	2379.01	2%	0.0627
	2298.79	2%	0.0571
	24050.24	22%	

2019
TOPCO SCIENTIFIC Co., Ltd.

70% 2016-2019H1
8 8

12



1.5.2

13

产品终端代表性客户

家电: Haier, TCL, Skyworth, Midea, Joyoung 九阳, Hisense 海信

照明: L1, OPPL, 欧普照明, 阳光照明

电源: SALCOMP, LITEON, Hunt-key, 航嘉, 伟创力集团, FLEXTRONICS, 康舒科技, Chicony

代工服务代表性客户

awinic, 上海新近半导体, 苏州博创集成电路设计

晶圆制造: DIODES, kaihona, FM, 芯朋, Chipown, PERICOM, 富满电子

MPS International, Ltd.

1.5.3IDM+



6 IDM Fabless

IDM	Fabless



14 IDM

IDM模式在功率半导体行业中的优势
IDM模式经营的企业在研发与生产各环节的积累会更为深厚，更利于技术的积淀和产品群的形成与升级，从而增强市场竞争力、建造壁垒。
拥有IDM经营能力的公司，其产品设计与制造工艺的研发能够通过内部调配进行更加紧密高效的联系。
受益于全产业链的经营能力，相比Fabless模式经营的竞争对手，IDM模式的公司能够有更快的产品迭代速度和更强的产线配合能力。
IDM公司能更好发挥资源的内部整合优势，提高运营管理效率，能够缩短产品设计到量产所需时间，根据客户需求进行更高效、灵活的特色工艺定制。

1.6

42	8	2020	3	IPO
42	15	8		6
	3			
50				
3	42	38		

5G AIOT

7				
8	150,000.00	150,000.00	25,797.19	17.20%
IPO	60,000.00	60,000.00	0	0.00%
42	30,000.00	30,000.00	12,696.68	42.32%
	60,000.00	60,000.00	15,998.83	26.66%
50	420,000.00	380,000.00	0	0.00%
	120,000.00	120,000.00	0	0.00%

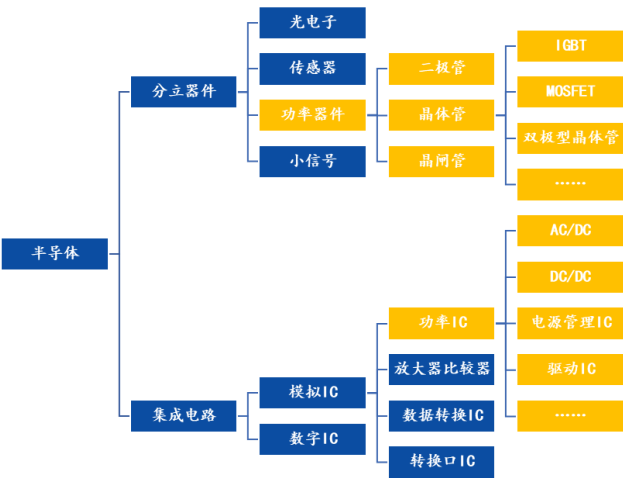
2.

2.1

2.1.1

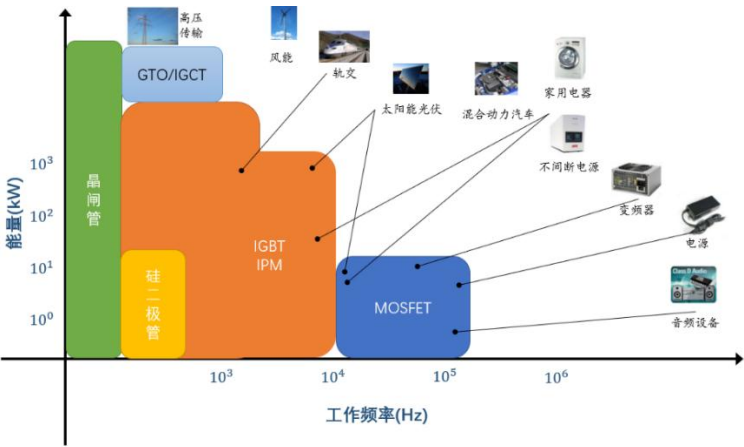
IC

15



/

16



Yole

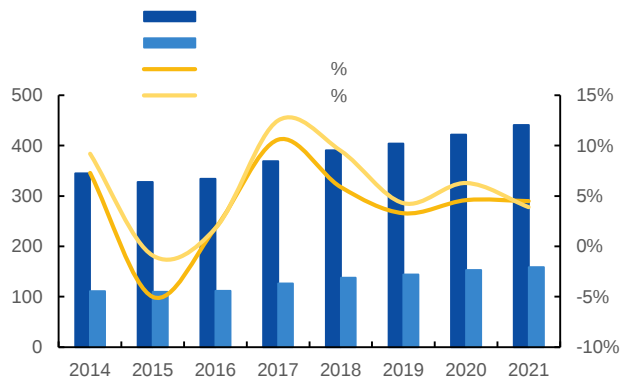
2019

	60%	IHS Markit
404		144
IC	Omdia	2019
210		

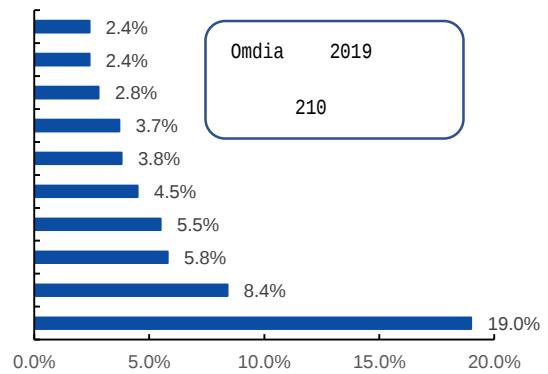
19% 58.3%

17

18 2019



IHS

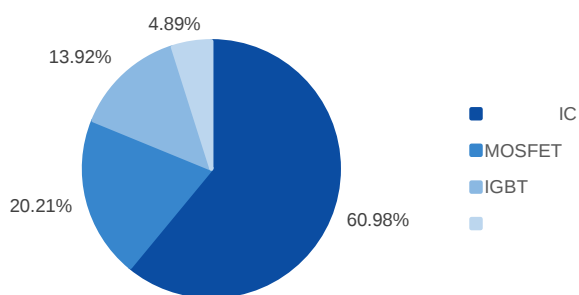


Omdia

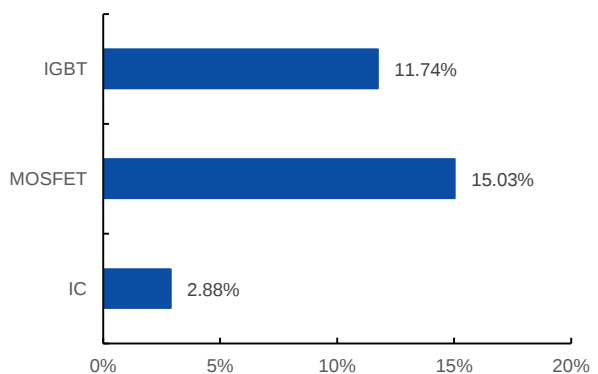
	PMIC	MOSFET	IGBT		2018
	60.98%	20.21%	13.92%	MOSFET	IGBT
2016-2018		15%	12%		

19 2018

20 2016-2018



IHS



IHS

2.1.2

1

+

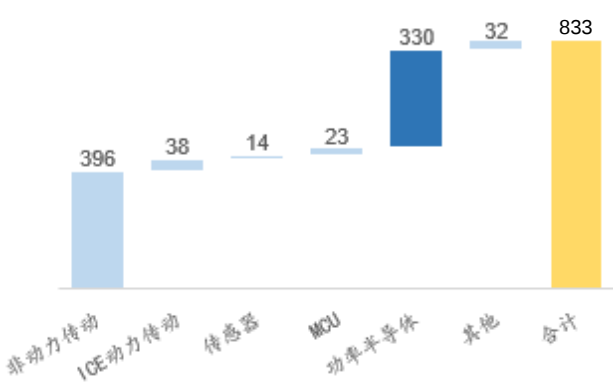
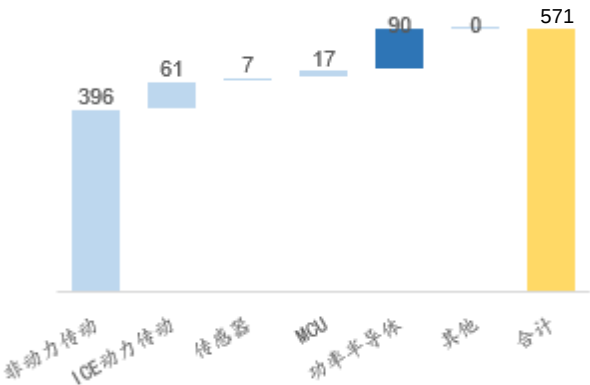
21



48V/ 90 /

/ 330 /

22 48V/ 23 /



2021-2035

2025 20% 2030 35%

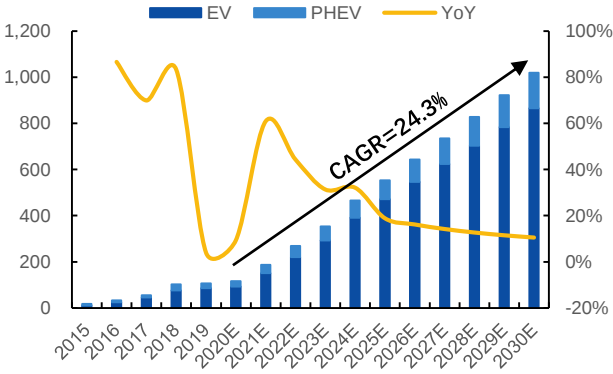
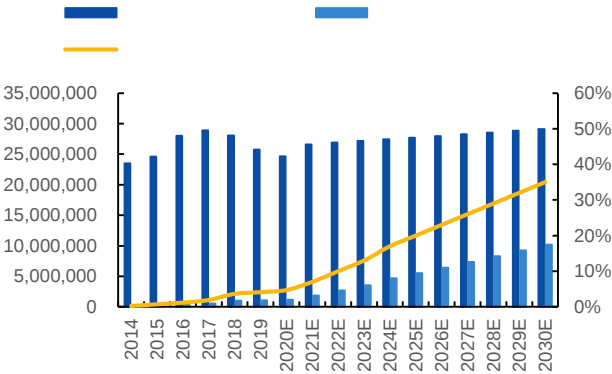
1% 2025

550 2030 1000

10 24.3%

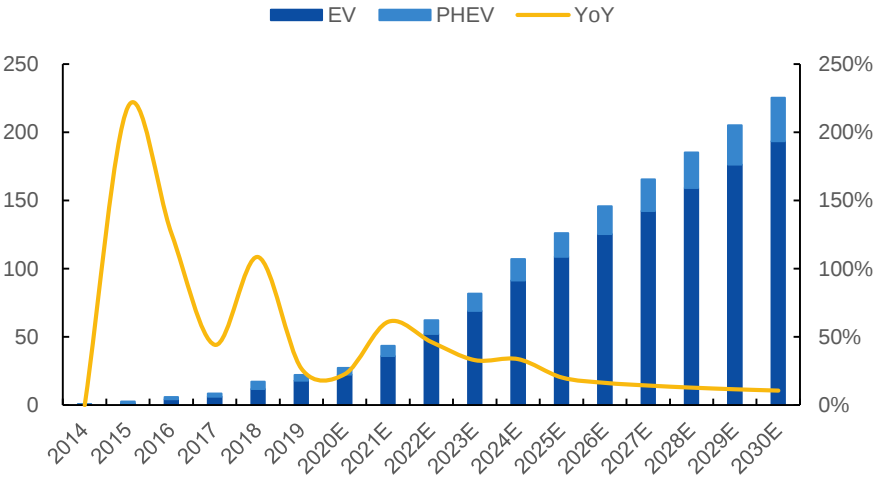
24

25



EV A00 C
PHEV
2025 125 2030 225

26

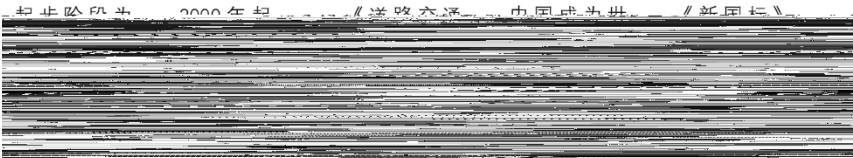


2

3-5
18 5
GB 17761-2018 2019 4 15 +

MOSFET MOSFET

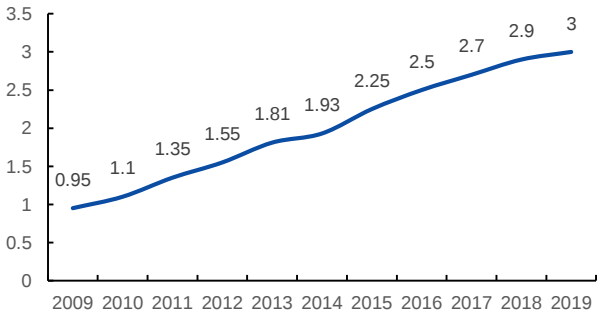
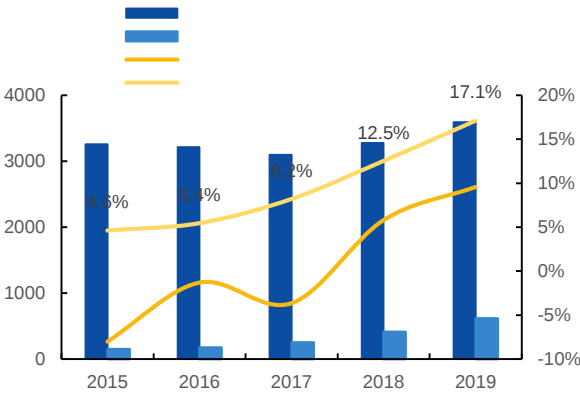
27



3 2019 3592 2019 615 17.1%

28

29



3 70% 50% 2020-2024 5% 15% 30% 30% 20% 6000-

8000

55kg

MOS 20 30 3-5

MOSFET 10-20

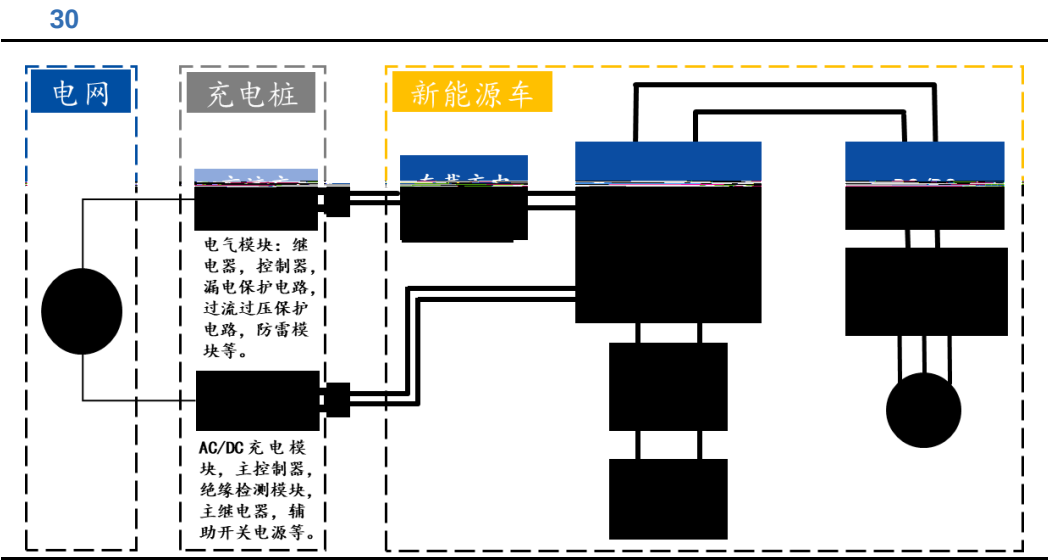
8 MOSFET

	2019	2020E	2021E	2022E	2023E	2024E
	3592	3200	3200	3200	3200	3200
2019	3	70%	50%	2020-2024		
	5%	10%	20%	30%	25%	10%
-		1500	3000	4500	3750	1500
3592	4700	6200	7700	6950	4700	
17%	20%	27%	35%	43%	50%	
615	940	1674	2695	2989	2350	
2977	3760	4526	5005	3962	2350	
/	MOSFET	20	30			
MOSFET	7.8	10.3	14.1	18.1	16.9	11.8

GGII

3

" + " " + "

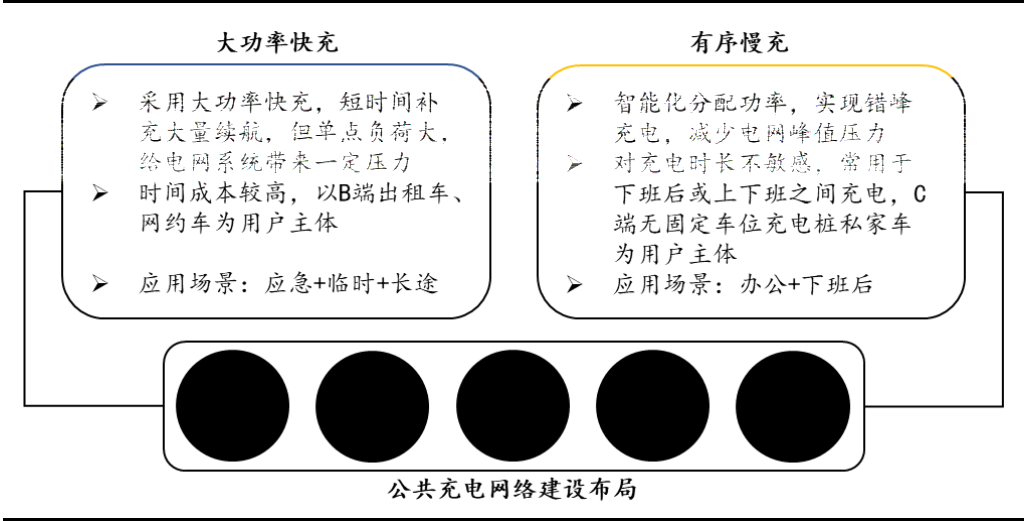


1 3 1

2 1 2

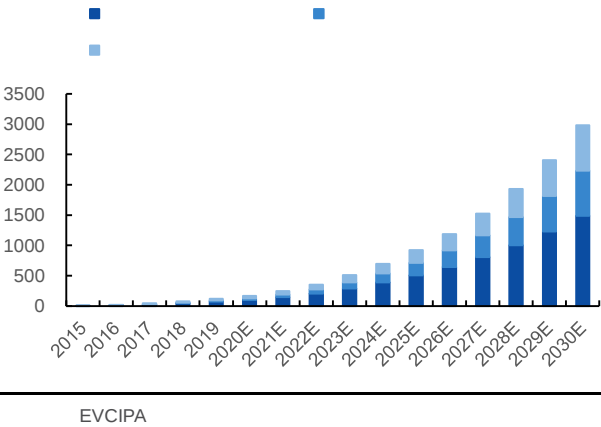
3 / 6 4
/ 1 1

31

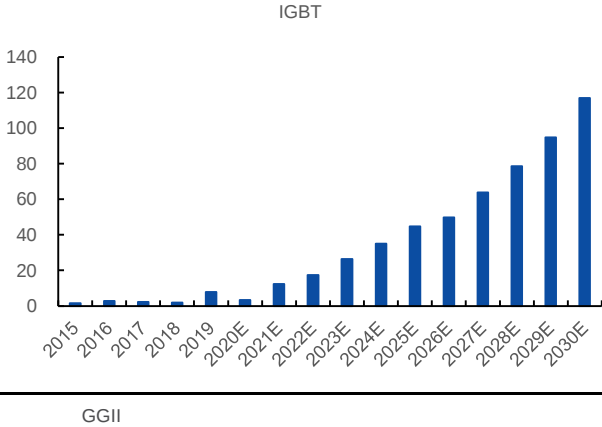


4:6 2030 1:1
2025 210 2030 750
500 10

32



33



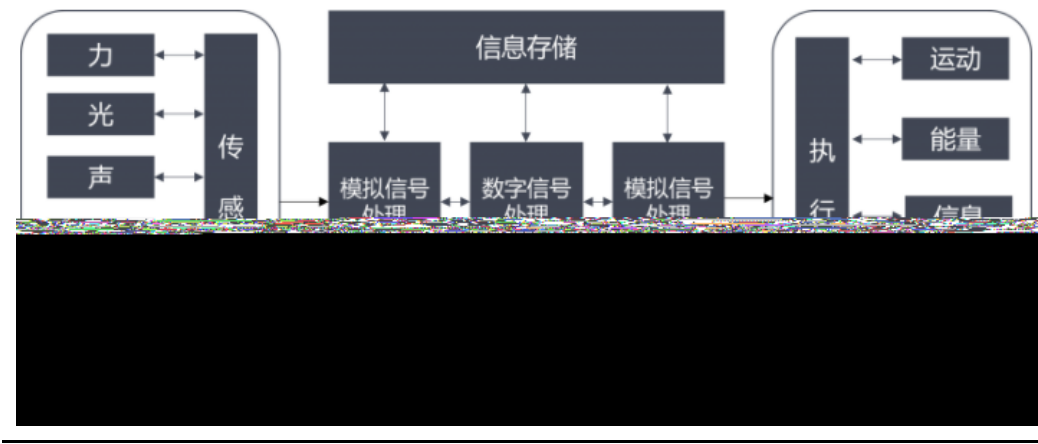
2.2AIOT

MEMS

MEMS

A/D

34 MEMS



AIOT

MEMS

26.87% 13.19% 18.08%
32.6% 2025

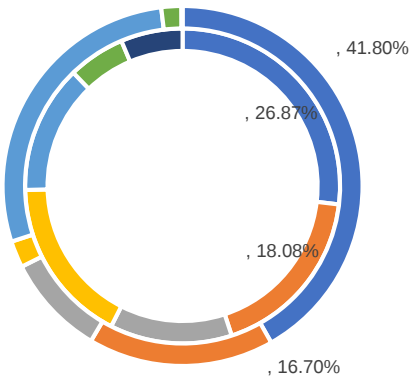
Yole

MEMS

111.4 10.4 26

35

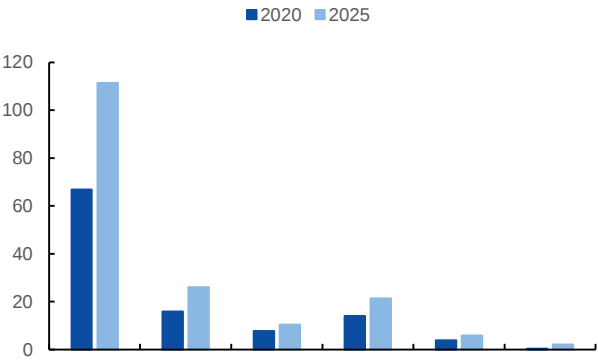
MEMS



CCID

36

MEMS



Yole

810

2019
MEMS

MEMS

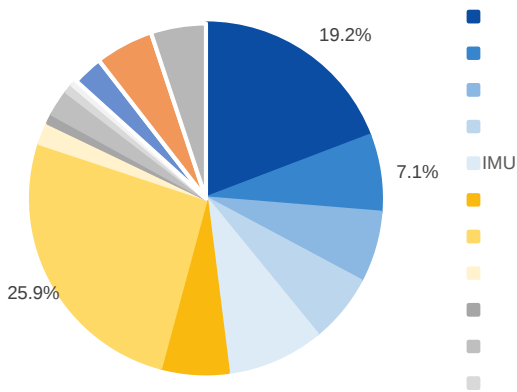
600

2021

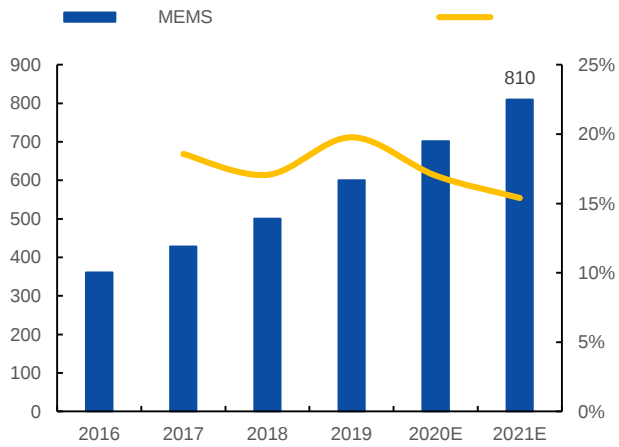
QORVO

MEMS

37 2019 MEMS



38 2016-2021 MEMS



MEMS

MEMS
2018 MEMS
8.88% 2021

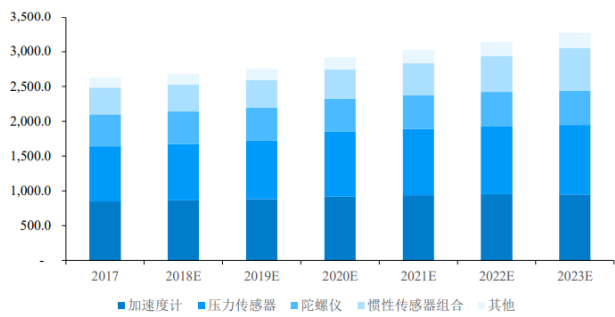
116.6
150
2018-2021

MEMS

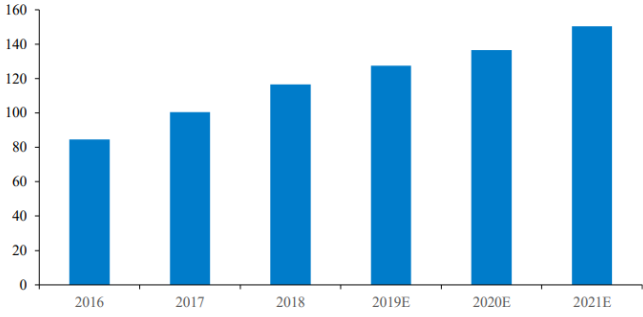
SCR

MEMS

39 MEMS



40



Yole

MEMS

MEMS

MEMS

国元证券
GUOYUAN SECURITIES

MEMS

IDM

IDM

CMOS

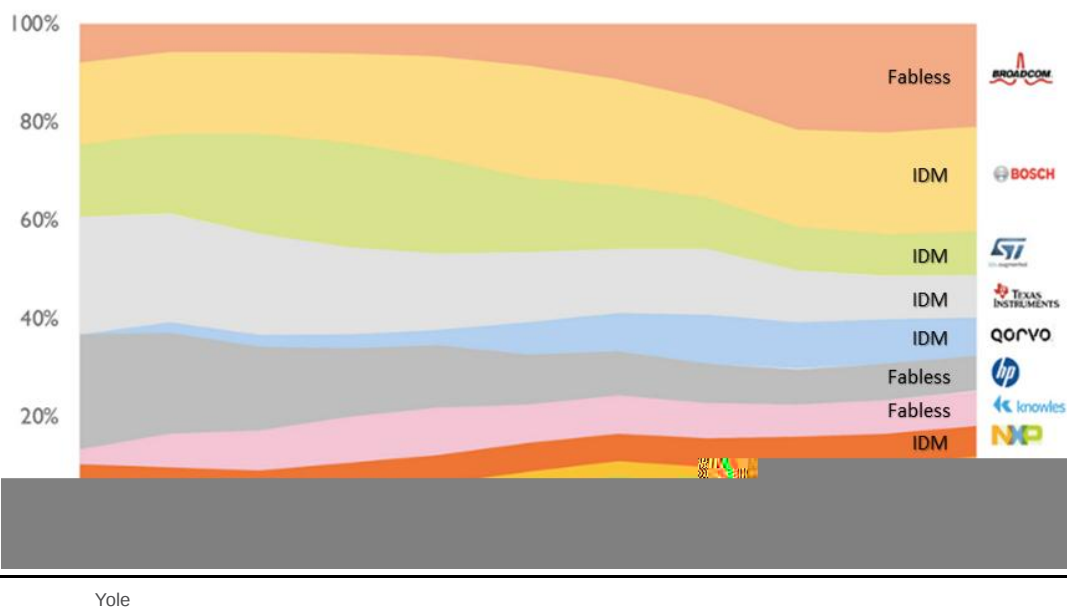
MEMS

MEMS

MEMS

41

MEMS



2.3

2.3.1

PMIC MCU IPM

IPM

MCU

IC

1

IC

IC

IC

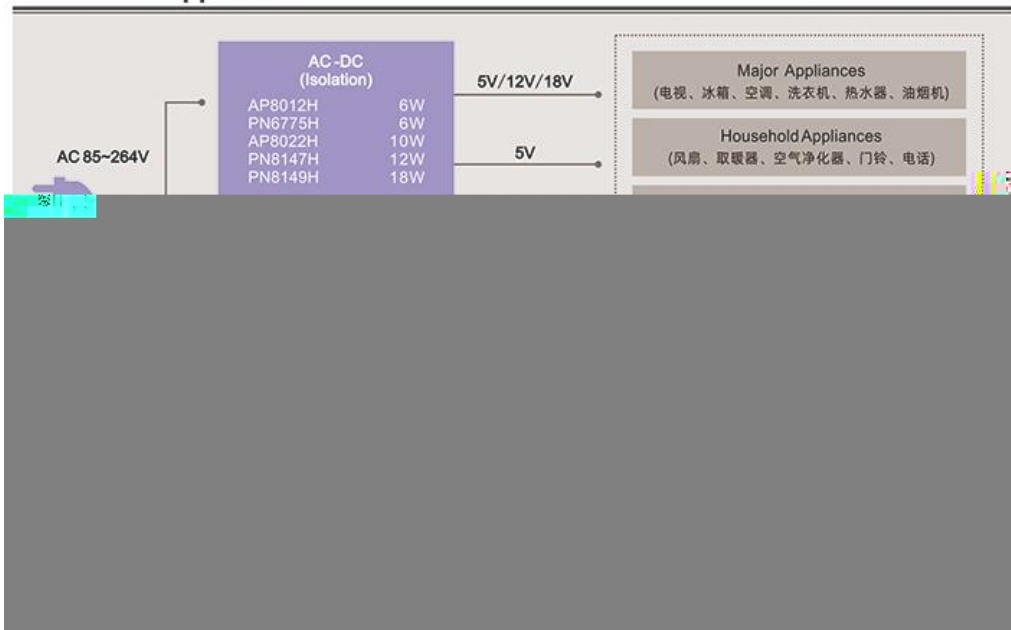
IC

IC

42

Household Appliances

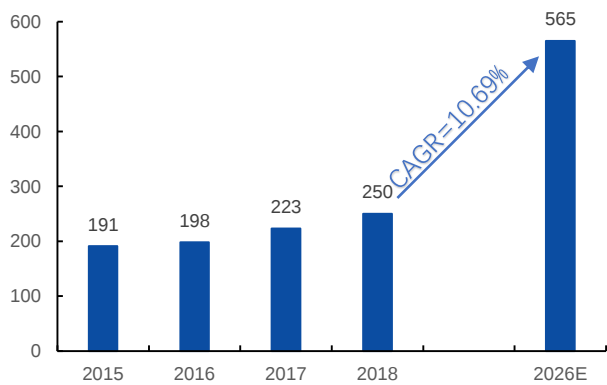
Power Solution



SEMI 2026
565 2018-2026 10.69%
520 2015-2019 720
781

43

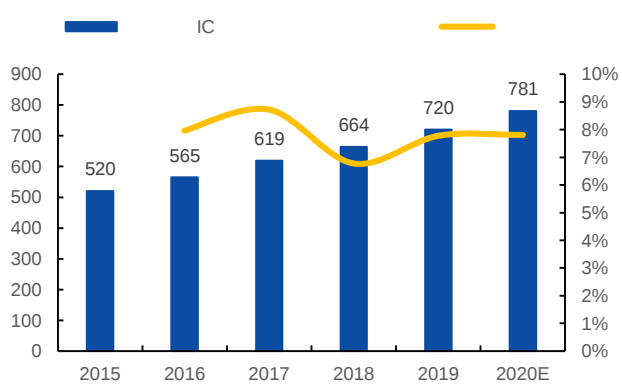
IC



SEMI

44

IC



21% IC 70% ADI IC



GLOBAL SECURITIES

證券



Yole

PMIC

2024 03

45

IC

46

ASPENCORE
26%

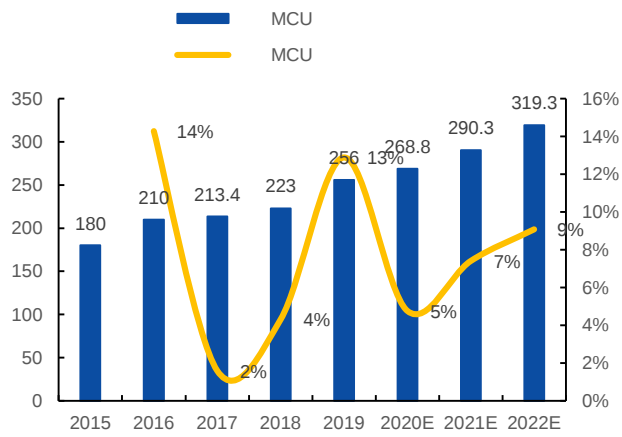
2019

MCU

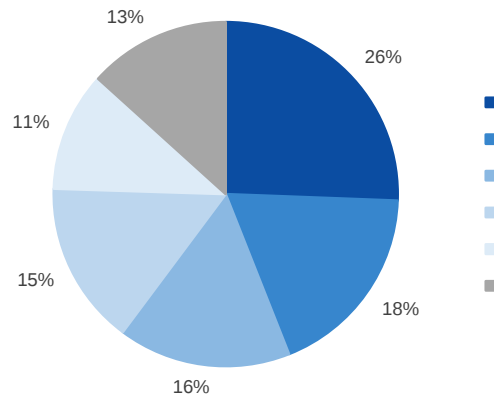
18% 16%

48 MCU

49 2019 MCU



IHS Markit



ASPENCORE

2019

MCU

80%

28%

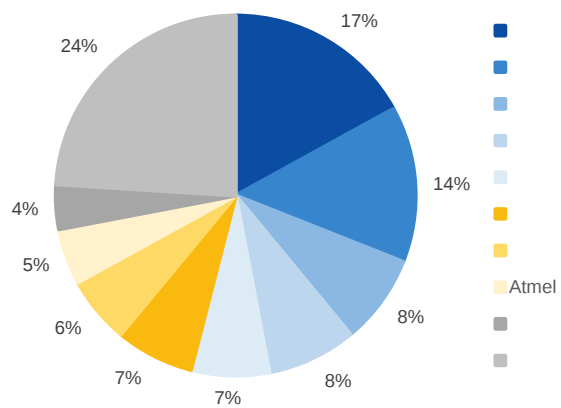
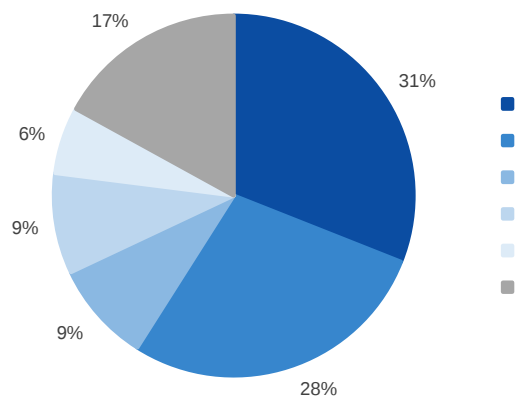
MCU

9

5%

50 2019 MCU

51 2019 MCU



IPM

IGBT

GTR

MOSFET

IGBT

MOSFET

GTR

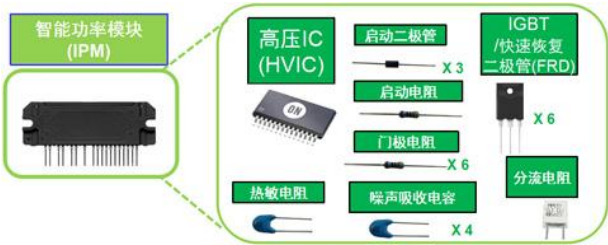
IGBT

IPM

,

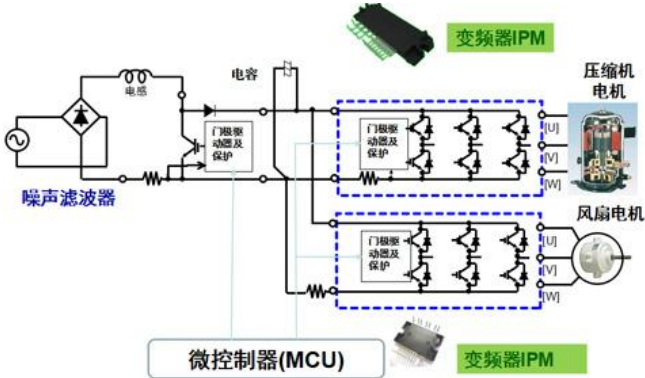
52

IPM



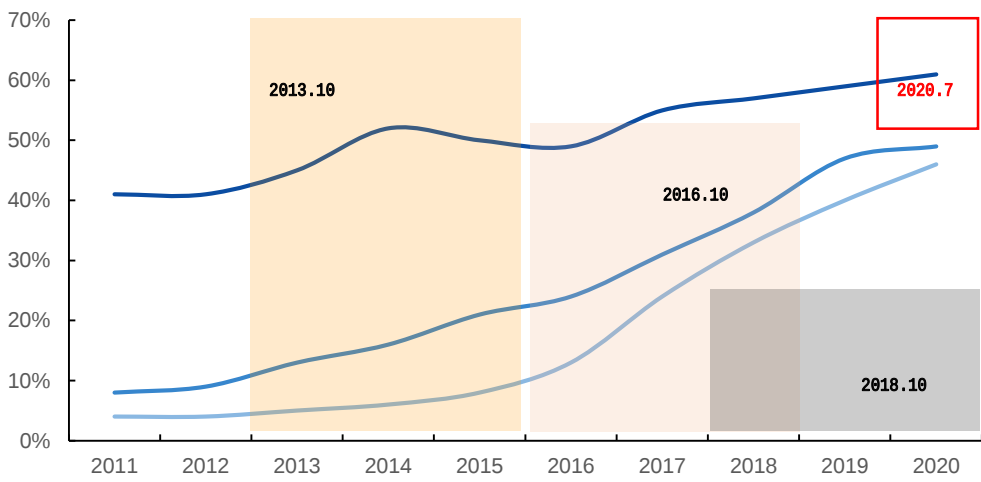
53

IPM



		60-70% 2020			
		61%	49%	46%	
			0.79	10.67	
IPM	2.2	MCU	4.56	2020	IPM

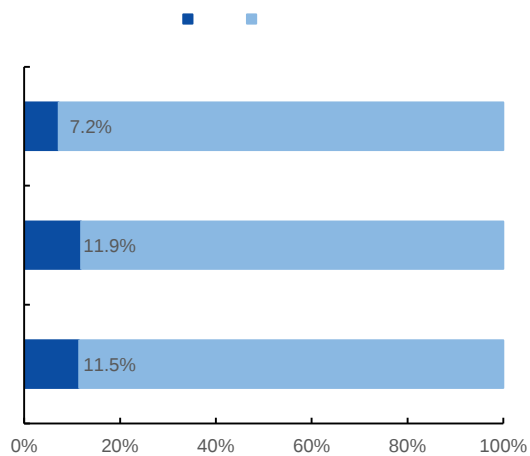
54



		MCU	IPM		
		2019	MCU	12%	IPM
		2020	MCU		IPM
7%	2.2	20%	MCU	4.56	
0.6%					

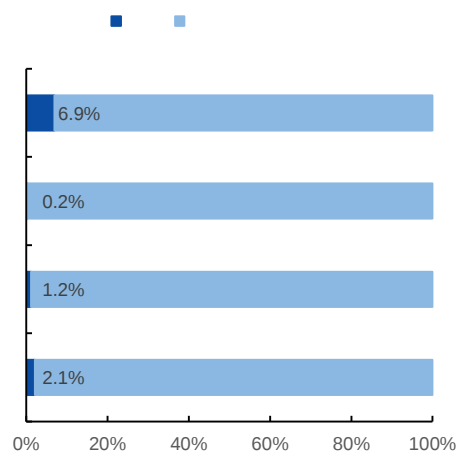
55 2019

MCU



56 2019

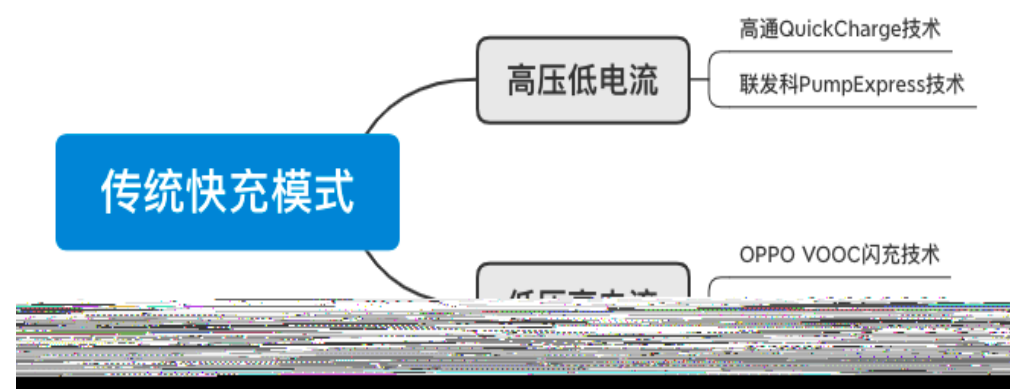
IPM



2.3.2

OPPO

57



120W
120W
OPPO

10
6C
125W
IQOO

9

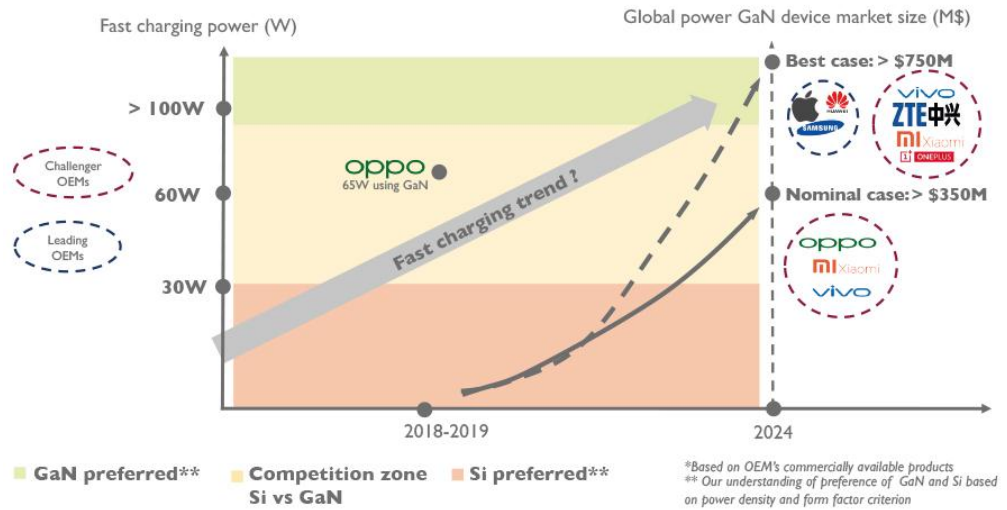
OPPO	125W	6C	14
vivo	120W	“ ”	IC
	120W	“ IC ”	

10W

30W

30-100W

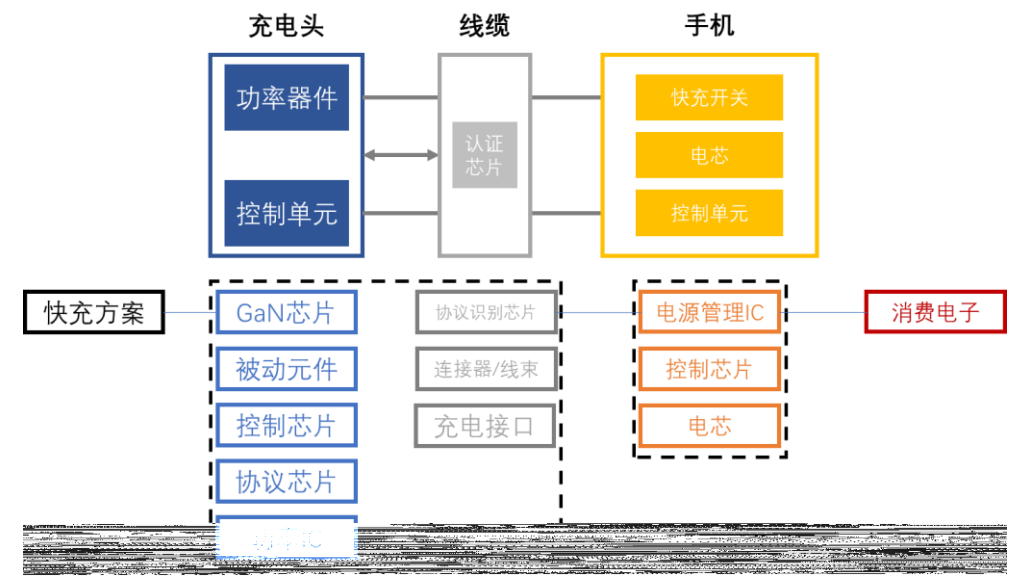
58



Yole

GaN

59 GaN



GaN

150

50

10

/					
Anker PowerPort PD 2	2019	USB-PD QC	18W 9V2A	199	
Anker PowerPort Atom PD 1	2018	USB-PD	30W 20V1.5A	258	
GaN					
Anker PowerPort Atom PD 4	2019	USB-PD Apple2.4A	100W 20V5A	598	
18W USB-PD	2019	USB-PD	18W 12V1.5A	49	
GaN X PD65W	2020	USB-PD QC PPS Apple2.4A AFC	65W 20V3.25A	159	
18W PPS TC-075PQ	2019	USB-PD QC FCP AFC Apple2.4A PPS	18W 12V1.5A	49	
GaN2 Pro 2C+U 65W	2020	USB-PD QC FCP/SCP AFC Apple2.4A PPS PE+	65W 20V3.25A	148	
GaN2 Pro 2C+U120W GaN	2020	USB-PD QC SCP/FCP AFC MTK Apple2.4A PPS	100W 20V5A	299	
18W A1695	2018	USB-PD	18W 9V2A	243	
5W A1443		USB-PD	5W 5V1A	145	

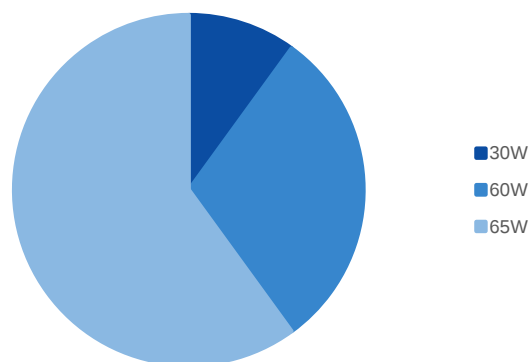
	45W	EP-TA845	2019	USB-PD	45W(20V2.25A)	299
	25W	EP-TA800	2019	USB-PD QC	25W 9V2.77A	219
	40W	HW-	2018	QC FCP SCP	40W 10V4A	159
	22.5W	HW-	2017	QC FCP SCP	22.5W(5V4.5A)	109
	18W	HW-059200CHQ	2016	QC FCP SCP	18W 9V2A	69
	65W	AD651P	2020	USB-PD QC MI ChargeTurbo	65W 20V3.25A	99
	30W	MDY-11-EX	2020	USB-PD QC MI ChargeTurbo	33W(20V1.35A)	69
	18W	AD181	2020	DCP USB-PD	18W 9V2A	39
OPPO	OPPO 65W SuperV00C		2019	V00C SuperV00C	65W 10V6.5A	199
	VCA7JACH					
	OPPO 30W	VC56HACH	2020	DCP V00C	30W 5V6A	99
VIVO	OPPO 30W	VC56HACH	2020	DCP QC VIVO 2.0	55W(11V5A)	129
	VIVO 33W		2019	DCP QC VIVO 2.0	33W 11V3A	99
	V3330L0A0-CN					
Amazon						

OPPO Realme
5G
GaN 12 9
5G
GaN

60 2020 4 GaN

61 GaN

天猫氮化镓快充销量TOP 10榜单 www.chongdiantou.com				
品牌	功率	接口	售价	月销量
Baseus倍思	65W	2C1A	168	10000
ZENDURE征拓	65W	2C1A	188	3209
nubia努比亚	65W	2C1A	169	2331
ROCK洛克	65W	2C1A	99	1649
ELECJET电友	65W	2C1A	128	1251
RAVPOWER	61W	USB-C	169	1244
ANKER安克	30W	USB-C	168	595
ANKER安克	60W	2C	288	161
MOMAX摩米士	65W	2C1A	198	145
ANKER安克	60W	1A1C	268	71
数据来源：充电头网评测室				



GaN 149 65W NV6115 NV6117
50 1/3

11	GaN		Type-C 65W			
/						
1	PCB		-		-	-
2			400V 100 μ F	400V 18 μ F	AiSHi	2
3			TEC25001		-	1
4	ACDC		E002M DBF310			2
5			UCC28780		TI	1
6	GaN		NV6115	NV6117	Navitas	2
7			3.15A 250V		-	1
8			NCP51530B			1
9			EL1018			1
10	Y		-		-	4
11			MP6908		MPS	1
12	MOS		BSC0805LS			1
13					Kemet	2
14	VBUS	PMOS	TPCC8104			1
15	USB PD		CYPD3174		Cypress	1
16	LDO		D8B		-	1

GaN 1 5G 5G
“ ” 2
3
GaN 1 5G GaN
2 3000 20-25% GaN
3 2020 GaN 55
4 35% 25% 15%5G GaN
2023 GaN 70
40

12	GaN	2020E	2021E	2022E	2023E
		12.2	13.6	14.1	14.5
		3.3	3.5	3.6	3.7
5G		2.0	4.4	5.5	6.5
5G		1.8	2.8	3.2	3.4
		55	50	47	45

/ 3000		20-25%	3000	GaN	
GaN		35%	77.0	90.5	102.4
		25%	55.0	64.6	73.1
		15%	33.0	38.8	43.9
GaN		35%	48.6	53.0	54.0
		25%	34.7	37.9	38.6
		15%	20.8	22.7	23.1

IDC Bloomberg

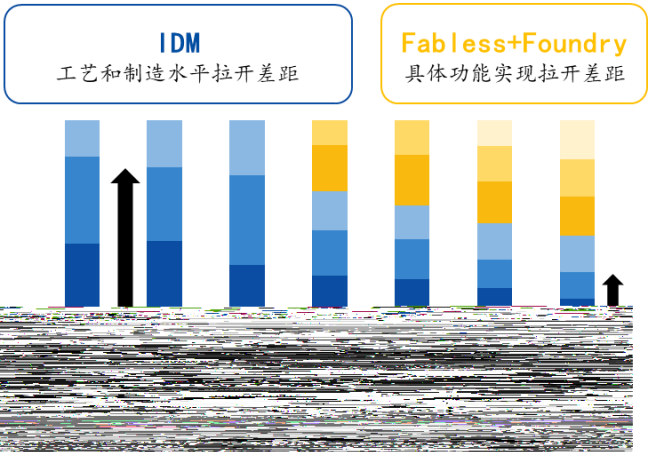
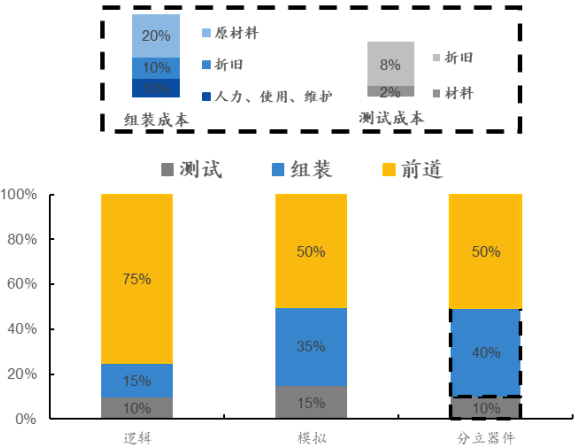
2.4

2.4.1

eNVM BiCOMS RFCOMS BCD MEMS

62 IC IC

63

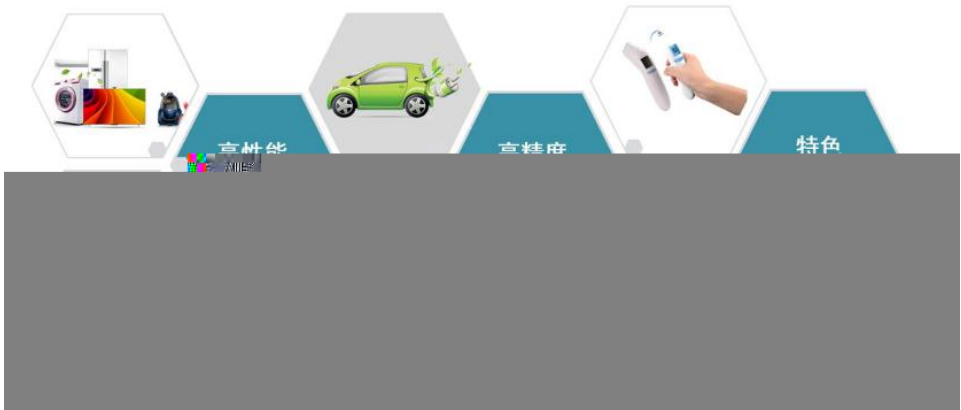


BCD
MEMS

BCD

BCD

64



IDM IDM

13

			IDM
			IDM
IC	IC	IDM	
		MOSFET IGBT	IDM
			IDM
		MOSFET IGBT	IDM
		IC SiC	IDM
MOSFET			IDM

73	3	6	247	8
6.2	6	SiC	1000	5.7 /
	12			650/1200V
				2021

14



3	6	Analog	BCD	MEMS	DMOS
---	---	--------	-----	------	------

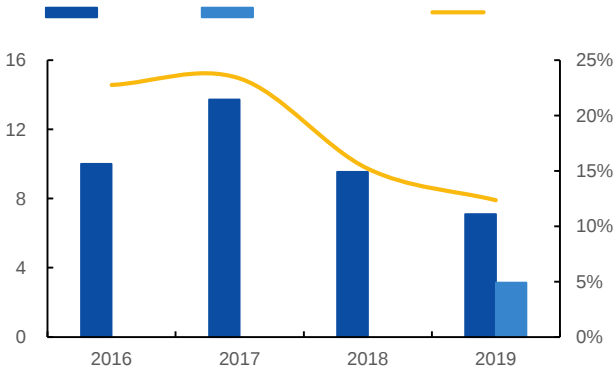
247

-

	6	21	/	8	5	/	8	2.1
IDM	/	1	12	90	8	/		100
	1	4/6	4/6					
IDM	6" SiC5	/	8"IGBT50	/				
IDM	6"IGBT 100	/						
	IPO	4"58	/	IPO	4"35	/	4"40	
IDM	/			6"50	/		4"125	
	/							
IDM	6"	10	/	6"MOSFET35	/	6"		
	50	/						
IDM	12"20	/	12"50	/				
/	5"	6"	8"65	/	8"	8"60	/	
	12"50	/	6"SiC5	/				
	/	8"25	/	8"40	/	8"42.5	/	
	2023		100	/				
	8 "	180	/	12 "	40	/		

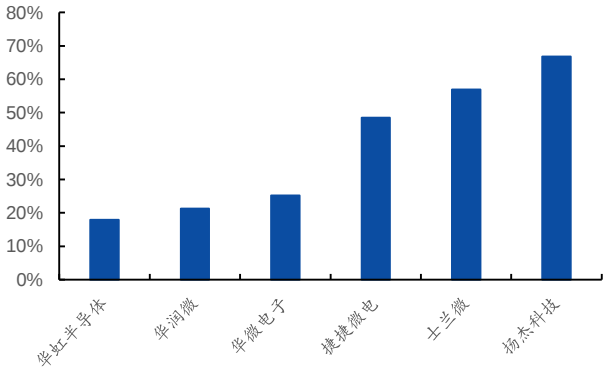
2019 3.13
7.09 21.2% 6
20% 8 20%

66



Wind

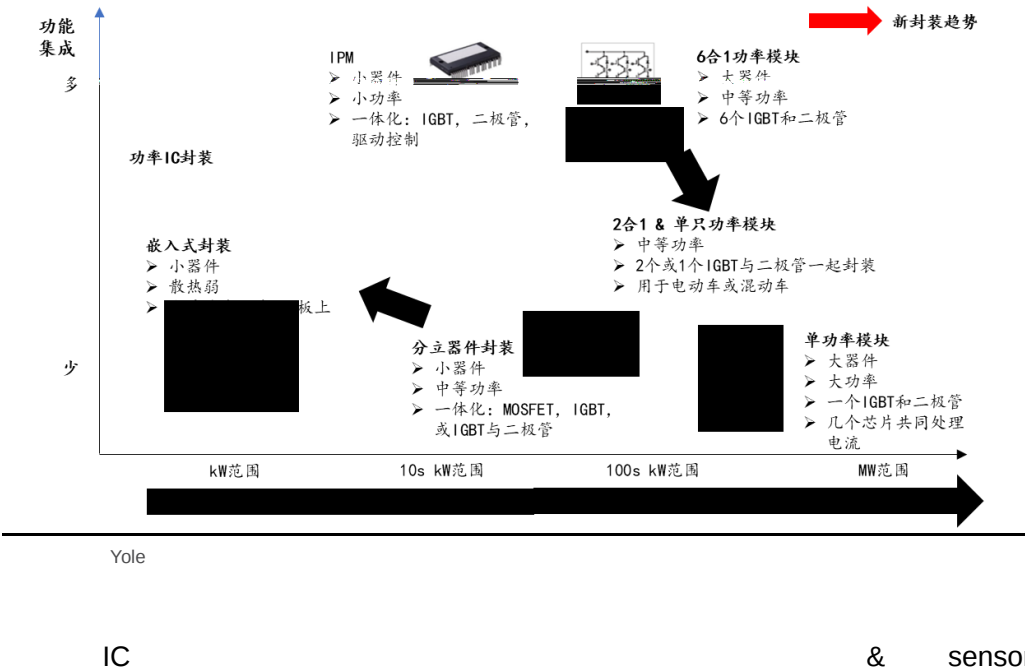
67



2.4.2

IC IPM

68



69

晶圆测试	封 装				成品测试	
深圳赛美科	无锡安盛	重庆矽磐	深圳赛美科	东莞杰群	深圳赛美科	无锡安盛
						
国内前三大晶圆测试工厂 销售额: 3.5亿 220+晶圆测试 10ea激光修调 高温测试 12": 2万片/年 8"+6":120万片/年	高可靠性传统IC封装 销售额: 7.5亿 IPM module, QFN, LQFP, TSSOP, SSOP, SOT, SOP FCOL package	先进面板封装 成立: 2018.11 引进国际先进面板封装工艺, 提供高效低成本封装方案, 用于功率产品大规模封装, 可替代传统QFN, LGA BGA等	光耦和硅麦等sensor封装 和客户合作一起开发相应的满足市场需求的各类sensor	聚焦功率电子封装业务, Stacks、Modules、MOS-FETs / IGBTs、Drivers、IPMs、Controllers。拥有独特的技术优势、知名的管理团队和全球高质量的功率及汽车电子领导客户。	各类产品成品测试 200台套成品测试设备 年测试产出30亿颗 数字, 模拟, 混合	中高端成品测试 220台套测试设备 年产出21亿颗, 高温, 常温, 低温测试能力, 高端工业控制, 汽车电子测试要求

2.4

2018

27%

。

62

50

60%-70%

16

2018					
					199
QFP	QFN	PQFN	FC	-QFN	TSSOP
		MSOP	IPM		SSOP
					62
					69
2.4					

3.

2020-2022 68.85 83.66 97.89 28.18%
30.02% 30.75%

1

2

IGBT MOS SiC

3

17

2019	2020E	2021E	2022E
3,183.52	3,820.22	4,393.26	4,832.58
565.39	859.55	1,010.45	1,135.66

	2,515.66	3,018.79	3,924.43	4,905.54
	741.62	1,071.67	1,491.28	1,864.10
	43.60	45.78	48.07	50.47
	4.38	9.16	9.61	10.09
	5,742.78	6,884.80	8,365.76	9,788.59
%		19.89%	21.51%	14.66%
	1,311.49	1,940.38	2,511.35	3,009.86
%	22.84%	28.18%	30.02%	30.75%

			2020-2022		9.93	14.40
17.51			130x 96x 72x			
	2017-2018	MOSFET		PC	8	
	CMOS					

			2020-2022		9.93	14.40
17.51		83x 57x 47x		“ ”		

18

	(	PE			PB		
		2020E	2021E	2022E	2020E	2021E	2022E
605111.SH	220	146.5	102.0	74.4	24.9	20.3	16.2
603290.SH	430	231.2	168.3	124.1	41.7	34.1	27.7
300373.SZ	193	55.0	42.5	33.7	6.8	5.9	5.1
300623.SZ	230	87.5	69.6	56.4	9.8	9.0	8.1
		130.1	95.6	72.1	20.8	17.3	14.3
Wind	*	2020	12	15	wind		

4.

	2018	2019	2020E	2021E	2022E
	5106.31	5092.50	9914.66	12341.14	15221.72
	1537.64	1930.67	7148.73	9032.00	11358.38
	601.61	815.01	977.08	1187.26	1389.18
	1183.63	12.96	15.53	18.88	22.09
	68.18	51.89	57.90	68.55	79.38
	1181.25	1054.76	1176.90	1393.50	1613.52
	533.99	1227.20	538.51	640.95	759.17
	4885.74	5002.79	5102.52	4396.47	3565.82
	0.00	81.71	81.71	81.71	81.71
	3898.40	3815.75	4201.04	3658.27	2929.77
	293.96	274.94	254.94	234.94	214.94
	693.37	830.40	564.83	421.55	339.41
	9992.05	10095.29	15017.18	16737.61	18787.54
	4653.87	1978.72	2099.39	2302.29	2506.93
	0.00	0.00	0.00	0.00	0.00
	715.57	748.64	835.33	989.07	1145.23
	3938.29	1230.08	1264.06	1313.22	1361.71
	318.39	1725.74	1768.71	1771.23	1755.23
	0.00	1506.11	1506.11	1506.11	1506.11
	318.39	219.63	262.60	265.11	249.11
	4972.26	3704.47	3868.10	4073.52	4262.16
	871.61	967.69	1081.83	1247.33	1448.58
	829.72	829.72	1215.93	1215.93	1215.93
	6020.82	5449.61	8719.42	8719.42	8719.42
	-3049.20	-1225.49	-259.82	1112.13	2764.68
	4148.18	5423.13	10067.25	11416.76	13076.80
	9992.05	10095.29	15017.18	16737.61	18787.54

	2018	2019	2020E	2021E	2022E
	1482.44	576.26	1575.32	2368.75	2759.85
	537.56	512.43	1107.19	1605.29	1952.18
	953.19	709.17	1057.69	1201.58	1326.17
	0.24	30.99	-63.66	-84.33	-136.95
	-10.59	0.03	-30.00	-30.00	-30.00
	-95.14	-714.71	88.71	-387.73	-397.34
	97.18	38.35	-584.61	63.94	45.78
	-575.17	-40.71	-72.00	-479.53	-479.53
	544.42	612.31	500.00	500.00	500.00
	0.00	82.00	0.00	0.00	0.00
	-30.75	653.60	428.00	20.47	20.47
	-626.65	-179.65	3714.73	-5.95	46.06
	0.00	0.00	0.00	0.00	0.00
	0.00	1506.11	0.00	0.00	0.00
	0.00	0.00	386.21	0.00	0.00
	-1.29	-571.21	3269.81	0.00	0.00
	-625.36	-1114.55	58.71	-5.95	46.06
	317.06	374.49	5218.06	1883.27	2326.38

	2018	2019	2020E	2021E	2022E
	6270.80	5742.78	6884.80	8365.76	9788.60
	4690.26	4431.29	4944.42	5854.41	6778.74
	84.55	66.16	68.85	83.66	97.89
	126.13	112.02	110.16	133.85	156.62
	373.62	376.84	344.24	334.63	391.54
	449.76	482.62	516.36	585.60	685.20
	0.24	30.99	-63.66	-84.33	-136.95
	-71.74	-36.57	-10.00	0.00	0.00
	0.00	0.04	5.00	5.00	5.00
	10.59	-0.03	30.00	30.00	30.00
	585.61	477.76	1131.43	1644.94	2002.56
	10.99	32.69	10.00	10.00	10.00
	6.02	4.50	0.00	0.00	0.00
	590.58	505.95	1141.43	1654.94	2012.56
	53.02	-6.47	34.24	49.65	60.38
	537.56	512.43	1107.19	1605.29	1952.18
	108.12	111.67	114.14	165.49	201.26
	429.44	400.76	993.05	1439.79	1750.93
EBITDA	1539.03	1217.92	2125.46	2762.19	3191.78
EPS	0.52	0.48	0.82	1.18	1.44

	2018	2019	2020E	2021E	2022E
(%)	6.73	-8.42	19.89	21.51	17.01
(%)	1376.15	-18.42	136.82	45.39	21.74
(%)	511.02	-6.68	147.79	44.99	21.61
(%)	25.20	22.84	28.18	30.02	30.75
(%)	6.85	6.98	14.42	17.21	17.89
ROE(%)	10.35	7.39	9.86	12.61	13.39
ROIC(%)	8.99	11.20	19.79	31.23	41.65
(%)	49.76	36.69	25.76	24.34	22.69
(%)	49.29	40.66	38.94	36.97	35.34
	1.10	2.57	4.72	5.36	6.07
	0.84	1.90	4.02	4.60	5.26
	0.64	0.57	0.55	0.53	0.55
	9.69	7.83	7.23	7.27	7.15
	6.20	6.05	6.24	6.42	6.35
()	0.35	0.33	0.82	1.18	1.44
()	1.22	0.47	1.30	1.95	2.27
()	3.41	4.46	8.28	9.39	10.75
P/E	191.49	205.20	82.81	57.11	46.97
P/B	19.82	15.16	8.17	7.20	6.29
EV/EBITDA	53.22	67.25	38.53	29.65	25.66

投资评级说明

(1) 公司评级定义

(2) 行业评级定义

买入 预计未来 6 个月内，股价涨跌幅优于上证指数 20% 以上 推荐 预计未来 6 个月内，行业指数表现优于市场指数 10% 以上