(688396) 2020 12 16

IDM

(688396)

IDM

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

1 5
2 2019H1 6
3 تح 7
4 تح 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

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

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

3 4

Wind Wind

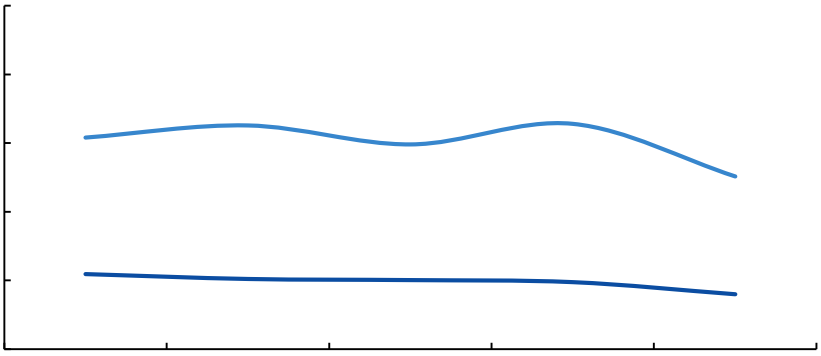
2016-
2018 2019
22.8% 2.36% 20H1 27.3%

5 6

Wind Wind

7-8% سر
2019H1 2020H1

7



Wind

1.3

72.29%

100% 100%

6.43%

8

شه

نح

IC

Wind H

3

/

MOS FOM

MOSFET VDMOS UIS EMI

MOS

		500V						
			SOI-BCI			43,640,800	2,785,300	6.4%
20-30V DrMOS					PC	20,000,000	0	0.0%
		20-30V DrMOS						
			USBPD					
AC-DC Fly-back		AC-DC Flyback		LED		20,000,000	0	0.0%
نج								
GaN		لخم GaN				39,480,000	745,100	1.9%
0.11 BCD		BCD	سر BCD	PMIC	subPMIC	78,750,000	2,766,100	3.5%
						550,000,000	332,805,780	60.5%
					FC QFN,LGA			
MEMS								

2019

1.5.3IDM+

سر IDM Fabless

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	غي	420,000.00	380,000.00	0	0.00%
		120,000.00	120,000.00	0	0.00%

2.

2.1

2.1.1 خي

IC سر لخم

15

/ سر

16

IHS Markit **خي** **60%** **قمح** **خي**

144 خي 404 خي 2019

2019 Omdia تج IC

خي 210 سر خي تج

شج خي تج

58.3% 19%

17 **خي**

550	2030	1000

MOSFET

MOSFET 10

27

2019 3592

3 2019 615

17.1%

28 29

8000

سر 55kg

MOS 20 30 **3-5**

MOSFET في **10-20**

8 **MOSFET** في

	2019	2020E	2021E	2022E	2023E	2024E
	3592	3200	3200	3200	3200	3200
	2019	*3*	*70%*	*50%*	*سر 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						

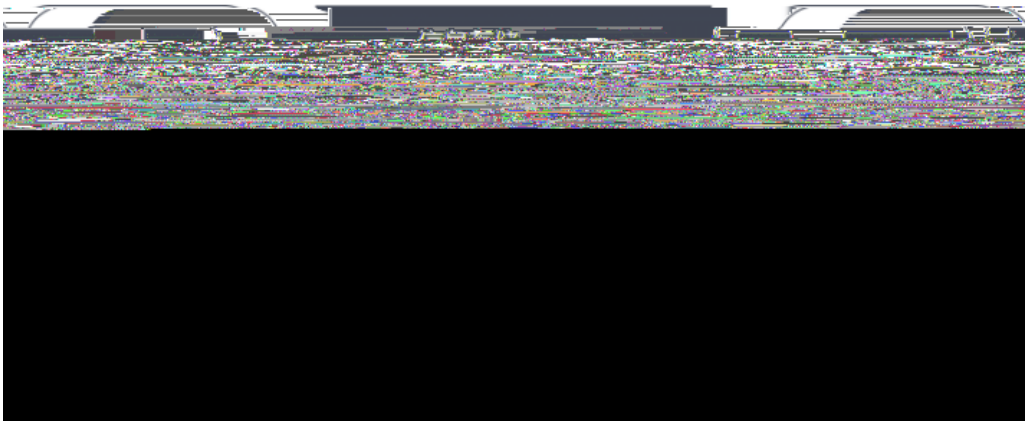
2 1 2

ò

A/D

نجح

34 MEMS



AIOT خي

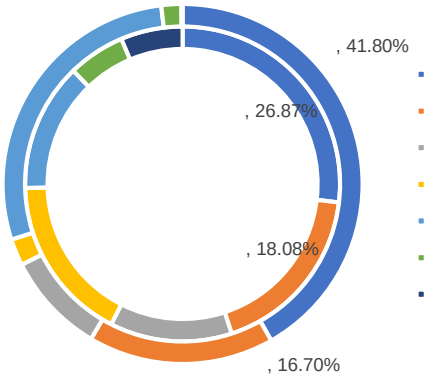
خي MEMS خي

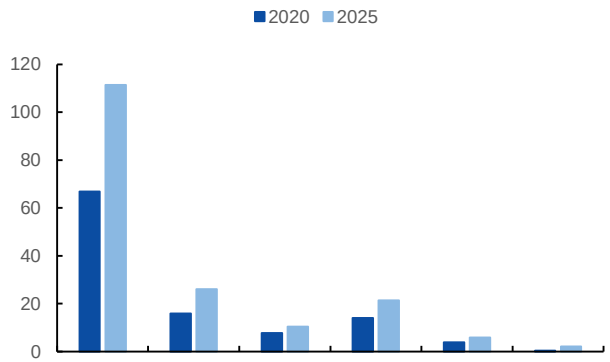
26.87% 13.19% 18.08% Yole

MEMS خي 32.6% 2025

خي 111.4 10.4 26

35 MEMS خي **36 MEMS خي**





CCID Yole

2019 MEMS خي 600 2021

810 MEMS خي سر

,

QORVO خي MEMS لخم

سر MEMS شم

IDM محمد

MEMS IDM

CMOS MEMS

MEMS

MEMS

41 MEMS خي

42

خي SEMI 2026

خي 565 2018-2026 10.69% خي

2015-2019

خي 520 720

781

43 IC خي 44 IC خي

Yole

2018 PMIC 97

2024 103

ASPENCORE

9

59 GaN

GaN	65W

/	3000	20-25%	3000			GaN
			35%	77.0	90.5	102.4
GaN			25%	55.0	64.6	73.1
			15%	33.0	38.8	43.9
			35%	48.6	53.0	54.0
GaN						

64

شج IDM IDM

13

1 8

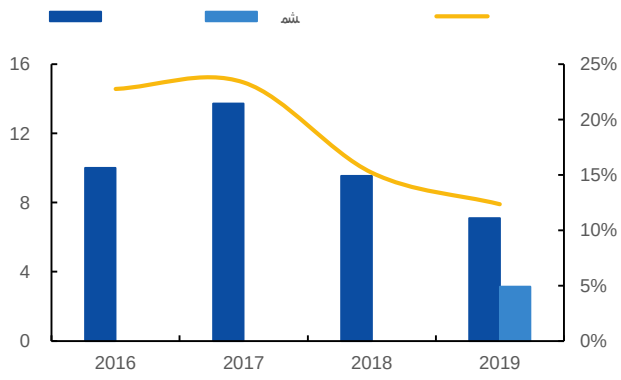
شم

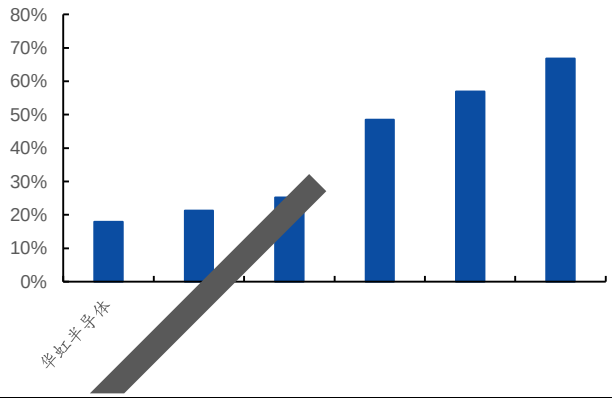
2019 شم 3.13

7.09 21.2% 6

20% 8 20% سر

66 67





Wind

2.4.2

تحي تحج

IC IPM

تحج تحج

62

50

60%-70%

16

2018

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 شج 130x 96x 72x

