Icemos Technology Ltd Product Specification 1000.709601 Issue Date 20 January 2022 09:40

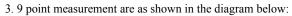
Part Number Customer	
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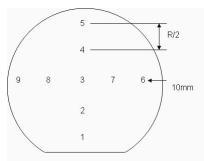
Category		Parameter	Specification	Measurement Method
OverallWafer	1.0	Diameter	150.00 +/- 0.50 mm	
	2.0	Primary Flat Orientation	{110} +/- 1 degree	Customer supplied material
	3.0	Primary Flat Length	57.50 +/- 2.50 mm	Customer supplied material
	4.0	Secondary Flat Orientation	none or SEMI Standard	Customer supplied material
	5.0	Overall Thickness	552.00 +/- 17.00 μm	ADE, 100%
	6.0	Total Thickness Variation (TTV)	<2.00μm	Guaranteed by Process
	7.0	Bow	<60.00μm	ADE to ASTM F534, 100%
	8.0	Warp	<60.00μm	ADE to ASTM F534, 100%
	9.0	Edge Chips	0	Bright Light, 100%
	10.0	Edge Exclusion	5mm	
HandleSilicon	11.0	Handle Growth Method	CZ	Customer supplied material
	12.0	Handle Orientation	{100} +/- 0.5 degree	Customer supplied material
	13.0	Handle Thickness	500.00 +/- 15.00 μm	ADE, 100%
	14.0	Handle Doping Type	Р	Customer supplied material
	15.0	Handle Dopant	Boron	Customer supplied material
	16.0	Handle Resistivity	1~20 Ohm-cm	Customer supplied material
	17.0	Backside Finish	Polished with oxide and lasermark	Guaranteed by process
BuriedOxide	18.0	Oxide Type	Thermal	
	19.0	Oxide Thickness	20,000.00 +/- 1,000.00 A	Nanospec centre point, 4%
	20.0	Oxide formed on	Device and/or Handle	
DeviceSilicon	21.0	Device Growth Method	CZ	Customer supplied material
	22.0	Device Orientation	{100} +/- 0.5 degree	Customer supplied material
	23.0	Nominal Thickness	50.00 +/- 1.00 μm	Filmetrics 9pts, 100% (note3)
	24.0	Distance to device silicon edge from wafer edge	< 2mm	Typical by Process
	25.0	Device Doping Type	P	Customer supplied material
	26.0	Device Dopant	Boron	Customer supplied material
	27.0	Device Resistivity	1~20 Ohm-cm	Customer supplied material
	28.0	Surface Voids	None	Bright Light, 100% (note2)
	29.0	Haze	None	Bright Light, 100% (note2)
	30.0	Scratches	none on the front-side	Bright Light, 100% (note2)

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Part Number		Customer	
Category	Parameter	Specification	Measurement Method
Shipping Details	Wafer per box :	Max 25	
	Packaging:	Taped Polypropylene Wafer Box Empak, Ultrapak, 150.00mm Antistatic Double Bagging	
	Lot Shipment Data	Device Thickness Bow / Warp Data Handle and SOI Thickness	
Explanatory Notes	1. Microscope inspec	ction performed using microscope scan as below. 5x objective.	
	2. All bright light ins	spections performed exclude all wafer area outside the edge exclusions	usion defined in Overall

2. All bright light inspections performed exclude all wafer area outside the edge exclusion defined in Overal Wafer, Edge Exclusion. High intensity bright lamp inspection as per ASTM F523.





Additional Information