Icemos Technology Ltd Product Specification 1000.310604 Issue Date 23 March 2023 14:25:

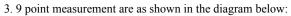
TO 1.37 1		
I Part Number	Customer	

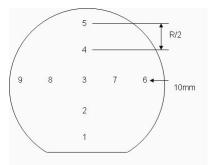
Category		Parameter	Specification	Measurement Method
OverallWafer	1.0	Silicon Supplier	Topsil GW or WaferWorks	Material Supplier
	2.0	Diameter	100.00 +/- 0.50 mm	
	3.0	Primary Flat Orientation	{110} +/- 1 deg	Wafer Vendor
	4.0	Primary Flat Length	32.50 +/- 2.50 mm	Wafer Vendor
	5.0	Secondary Flat Orientation	none	Wafer Vendor
	6.0	Overall Thickness	527.80 +/- 7.50 μm	ADE, 100%
	7.0	Total Thickness Variation (TTV)	<5.00μm	Guaranteed by Process
	8.0	Bow	<60.00μm	ADE to ASTM F534, 20%
	9.0	Warp	<60.00μm	ADE to ASTM F657, 20%
	10.0	Edge Chips	0	Bright Light, 100% (note 2)
	11.0	Edge Exclusion	5mm	
HandleSilicon	12.0	Handle Growth Method	CZ	Wafer Vendor- Topsil GW or WaferWorks
	13.0	Handle Orientation	{111} off 2.5 +/- 1 degree	Wafer Vendor
	14.0	Handle Thickness	350.00 +/- 5.00 μm	ADE, 100%
	15.0	Handle Doping Type	N	Wafer Vendor
	16.0	Handle Dopant	Arsenic	Wafer Vendor
	17.0	Handle Resistivity	<0.0025 Ohm cm	Wafer Vendor
	18.0	Handle Aluminium Level	<1E13 Atoms/cm3 Aluminium guaranteed by SIMS.	Wafer Vendor
	19.0	Handle Boron Level	<1E14 The Boron content is checked on frequent basis and guaranteed by technology repeatability.	Wafer Vendor
	20.0	Backside Finish	Lapped and etched with no oxide & laser ID marking	Wafer Vendor
DeviceSilicon	21.0	Device Growth Method	FZ	Wafer Vendor- Topsil GW or WaferWorks
	22.0	Device Orientation	{111} off 3.5 +/- 1 degree	Wafer Vendor
	23.0	Nominal Thickness	177.80 +/- 2.50 μm	ADE single point 100%
	24.0	Distance to device silicon edge from wafer edge	<= 3mm	Typical by Process
	25.0	Device Doping Type	N	Wafer Vendor
	26.0	Device Dopant	Phosphorous	Wafer Vendor
	27.0	Device Resistivity	> 5000 Ohm-cm	Wafer Vendor
	28.0	Voids	0	Bright Light, 100% (note 2)
	29.0	Scratches	< 25mm total length	Bright Light, 100% (note 2)
	30.0	Haze	none	Bright Light, 100% (note 2)

Page 1 of 2 22/06/2024 www.icemostech.com

	Customer	
Parameter	Specification	Measurement Method
Wafer per box :	Max 25	
Packaging:	Taped Polypropylene Wafer Box Empak, Ultrapak, 100.00mm Antistatic Double Bagging	
Lot Shipment Data	Device Thickness Bow / Warp Data Handle and SOI Thickness	
1. Microscope inspec	tion performed using microscope scan as below. 5x objective.	
	Wafer per box : Packaging : Lot Shipment Data	Wafer per box : Max 25 Packaging : Taped Polypropylene Wafer Box Empak, Ultrapak, 100.00mm Antistatic Double Bagging Lot Shipment Data Device Thickness Bow / Warp Data

Wafer, Edge Exclusion. High intensity bright lamp inspection as per ASTM F523.





Additional Information