**Product Specification** 1000.273405 Issue Date 09 April 2015 12:29:1

Part Number	Customer

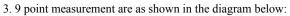
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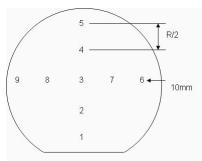
Category	Parameter		Specification	Measurement Method
OverallWafer	1.0	Diameter	100.00 +/- 0.50 mm	WaferVendor
	2.0	Primary Flat Orientation	<110> +/- 1 degree	Wafer Vendor
	3.0	Primary Flat Length	32.50 +/- 2.50 mm	Wafer Vendor
	4.0	Secondary Flat Orientation	none/semi	Wafer Vendor
	5.0	Overall Thickness	399.00 +/- 6.00 um	Guaranteed by Process
	6.0	Total Thickness Variation (TTV)	<5.00um	Guaranteed by Process
	7.0	Bow	<40.00um	Guaranteed by Process
	8.0	Warp	<40.00um	Guaranteed by Process
	9.0	Edge Exclusion	5 mm	Guaranteed by Process
	10.0	Silicon Supplier	Topsil - handle and device silicon. Cannot be changed without customer approval.	Confirmed Wafer Vendor
HandleSilicon	11.0	Handle Growth Method	FZ	Wafer Vendor
	12.0	Handle Orientation	<100> +/- 1.0 degree	Wafer Vendor
	13.0	Handle Thickness	385.00 +/- 5.00 um	Guaranteed by Process
	14.0	Handle Doping Type	N	Wafer Vendor
	15.0	Handle Dopant	Phosphorous	Wafer Vendor
	16.0	Handle Resistivity	1-2 Ohmem	Wafer Vendor
	17.0	Backside Finish	Polished with no oxide and lasermark	Wafer Vendor
DeviceSilicon	18.0	Device Growth Method	FZ	Wafer Vendor
	19.0	Device Orientation	<100> +/- 0.5 degree	Wafer Vendor
	20.0	Carbon Concentration	<2E16 atoms/cm3	Wafer Vendor
	21.0	Oxygen Concentration	<2E16 atoms/cm3	Wafer Vendor
	22.0	Nominal Thickness	14.00 +/- 1.00 um	ADE Single Point, 100%
	23.0	Distance to device silicon edge from wafer edge	<= 2mm	Guaranteed by Process
	24.0	Device Doping Type	N	Guaranteed by Process
	25.0	Device Dopant	Phosphorous	Guaranteed by Process
	26.0	Device Resistivity	500-700 Ohmcm	Wafer Vendor
	27.0	Buried Layer Implant	Energy = 40keV, Dose = 1e14, Species = Phosphorous	Implant Vendor
	28.0	Voids	none	Guaranteed by Process, SAM inspection
	29.0	Haze	none	Guaranteed by Process, Bright LIght inspection
	30.0	Scratches	none	Guaranteed by Process, Bright Light inspection

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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, 100.00mm 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 inspections performed exclude all wafer area outside the edge exclusion defined in Overall			

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





Additional Information

Icemos Technology Ltd