Product Specification 1000.444702 Issue Date 29 July 2021 16:21:50

Part Number	Customor	
Part Number	Customer	

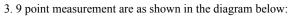
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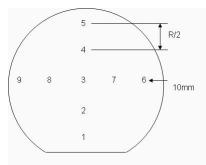
Category		Parameter	Specification	Measurement Method
OverallWafer	1.0	Diameter	150.00 +/- 0.50 mm	
	2.0	Primary Flat Orientation	{110}+/-1 degree	Wafer Vendor
	3.0	Primary Flat Length	57.50 +/- 2.50 mm	Wafer Vendor
	4.0	Secondary Flat Orientation	none	
	5.0	Overall Thickness	509.00 +/- 7.00 μm	ADE, 100%
	6.0	Total Thickness Variation (TTV)	<2.00μm	Guaranteed by Process
	7.0	Bow	<70.00μm	ADE to ASTM F534 (Best fit), 20%
	8.0	Warp	<70.00um	ADE to ASTM F534 (Best fit), 20%
	9.0	Edge Chips	0	Bright Light, 100%
	10.0	Edge Exclusion	5mm	
HandleSilicon	11.0	Handle Growth Method	CZ	Wafer Vendor
	12.0	Handle Orientation	{100} +/- 1degree	Wafer Vendor
	13.0	Handle Thickness	500.00 +/- 5.00 μm	ADE, 100%
	14.0	Handle Doping Type	N	Wafer Vendor
	15.0	Handle Dopant	Phosohorous	Wafer Vendor
	16.0	Handle Resistivity	1-10 Ohmem	Wafer Vendor
	17.0	Backside Finish	Polished with oxide and lasermark	Wafer Vendor
BuriedOxide	18.0	Oxide Type	Thermal	
	19.0	Oxide Thickness	10,000.00 +/- 500.00 A	Nanospec centre point, 4%
	20.0	Oxide formed on	Handle Wafer	
DeviceSilicon	21.0	Device Growth Method	CZ	Wafer Vendor
	22.0	Device Orientation	{100} +/- 1 degree	Wafer Vendor
	23.0	Nominal Thickness	8.00 +/- 0.50 μm	FTIR, 100% 9-Pt (note3)
	24.0	Distance to device silicon edge from wafer edge	<= 2mm	Typical by Process
	25.0	Device Doping Type	N	Wafer Vendor
	26.0	Device Dopant	Phosphorous	Wafer Vendor
	27.0	Device Resistivity	1-10 Ohmcm	Wafer Vendor
	28.0	Voids	none	Bright Light, 100% (note 2)
	29.0	Scratches	0	Bright Light, 100% (note 2)
	30.0	Haze	none	Bright Light, 100% (note 2)

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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	etion 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 Evolusion, High intensity bright, Jamp inspection as per ASTM E523			

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





Additional Information

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