Product Specification

1003.696801

Part Number Customer						
Category	Parameter		Specification	Measurement Method		
OverallWafer	1.0	Diameter	150.00 +/- 0.20 mm			
	2.0	Primary Flat Orientation	{110}+/-0.5 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	350.00 +/- 5.00 μm	ADE, 100%		
	6.0	Total Thickness Variation (TTV)	<2.00µm	Guaranteed by Process		
	7.0	Bow	<60.00µm	ADE to ASTM F534, 20%		
	8.0	Warp	<60.00µm	ADE to ASTM F657, 20%		
	9.0	Edge Chips	0	Bright Light, 100% (note 2)		
	10.0	Edge Exclusion	3mm			
	11.0	Front Surface Quality	Front side= Prime Optical			
HandleSilicon	12.0	Handle Growth Method	CZ	Wafer Vendor		
	13.0	Handle Orientation	{100} +/- 0.5 degree	Wafer Vendor		
	14.0	Handle Thickness	350.00 +/- 5.00 μm	ADE, 100%		
	15.0	Handle Doping Type	Any	Wafer Vendor		
	16.0	Handle Dopant	Any	Wafer Vendor		
	17.0	Handle Resistivity	Any	Wafer Vendor		
	18.0	Backside Finish	Polished with light handling marks & Lasermark	Guaranteed by process		
	19.0	Backside scratches	Light Handling marks	Bright Light, 100% (note 2)		
	20.0	Total scratch length	Frontside - Total <10mm.	Bright Light, 100% (note2)		
	21.0	Surface Haze	none	Bright Light, 100% (note 2)		
DeviceSilicon	22.0	Top surface Surface Average roughness, Ra	<2A	Guaranteed by process		

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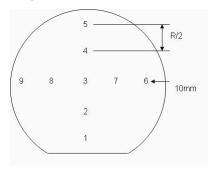
Product Specification

1003.696801

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 inspection 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.

3. 9 point measurement are as shown in the diagram below:



Additional Information