Part Number Customer							
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	532.00 +/- 13.00 μm	ADE, 100%			
	6.0	Total Thickness Variation (TTV)	<5.00µm	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%			
	10.0	Edge Exclusion	6mm				
	10.1	LPDs > 0.3um	<=30	LPD particle count			
	10.2	Wafer Oxygen concentration	<18 ppma	Typical by wafer vendor			
	10.3	Radial Resistivity Gradient	<=10%	Typical by wafer vendor			
	10.5	Silicon Dislocation Etch Pit Density	<= 100 cm-2	Typical by wafer vendor			
HandleSilicon	11.0	Handle Growth Method	CZ	Wafer Vendor			
	12.0	Handle Orientation	{100} +/- 1 degree	Wafer Vendor			
	13.0	Handle Thickness	500.00 +/- 10.00 μm	ADE, 100%			
	14.0	Handle Doping Type	Ν	Wafer Vendor			
	15.0	Handle Dopant	Phosphorous or Arsenic	Wafer Vendor			
	16.0	Handle Resistivity	1 ~ 10 Ohmem	Wafer Vendor			
	17.0	Backside Finish	Polished with oxide, laser mark, and light handling marks	Guaranteed by Process			
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 and / or Device Wafer				
DeviceSilicon	21.0	Device Growth Method	CZ	Wafer Vendor			
	22.0	Device Orientation	{100} +/- 1 degree	Wafer Vendor			
	23.0	Nominal Thickness	27.00 +/- 1.00 μm	FTIR, 100% 9-Pt (note3)			
	24.0	Distance to device silicon edge from wafer edge	<= 2.0mm	Typical by Process			
	25.0	Device Doping Type	Ν	Wafer Vendor			
	26.0	Device Dopant	Phosphorous or Arsenic	Wafer Vendor			
	27.0	Device Resistivity	1 ~ 10 Ohmcm	Wafer Vendor			
BuriedOxide2	28.0	Oxide 2 Type	Thermal				
	29.0	Oxide 2 Thickness	10,000.00 +/- 500.00 A	Nanospec centre point measurement, 4%			
	30.0	Oxide 2 formed on	Device 2 wafer	Guaranteed by Process			

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Part Number		Customer		
Category	Parameter		Specification	Measurement Method
DeviceSilicon2 31.0		Device 2 Growth Method	CZ	Wafer Vendor
	32.0	Device 2 Orientation	{100} +/- 0.5 degree	Wafer Vendor
	33.0	Device 2 Nominal Thickness	3.00 +/- 1.00 um	FTIR, 100% 9-point measurement (see note 3)
	34.0	Distance to Device 2 edge from wafer edge	< = 3mm	Guaranteed by Process
	35.0	Device 2 DopingType	Ν	Wafer Vendor
	36.0 Device 2 Dopant		Phosphorous or Arsenic	Wafer Vendor
	37.0	Device 2 Resistivity	1 ~ 10 Ohmcm	Wafer Vendor
DeviceSilicon	38.0	Voids	none	Wafer Vendor
	39.0	Scratches	0	Bright Light, 100% (note 2)
40.0		Haze	none	Bright Light, 100% (note 2)

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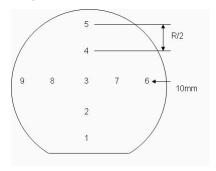
Product Specification

1000.718901

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	tion 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