**Product Specification 1000.484002** Issue Date 13 April 2017 14:09:3

Part Number	Customer

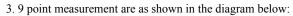
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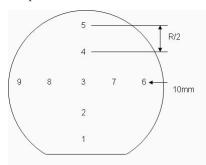
Category		Parameter	Specification	Measurement Method
OverallWafer	1.0	Diameter	100.00 +/- 0.50 mm	
	2.0	Primary Flat Orientation	{110}+/-1.0 degree	Wafer Vendor
	3.0	Primary Flat Length	32.50 +/- 2.50 mm	Wafer Vendor
	4.0	Secondary Flat Orientation	None	
	5.0	Secondary Flat Length	True	Wafer Vendor
	6.0	Overall Thickness	270.00 +/- 11.00 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
	13.0	Handle Orientation	{100} +/- 1.0 degree	Wafer Vendor
	14.0	Handle Thickness	120.00 +/- 10.00 μm	ADE, 100%
	15.0	Handle Doping Type	P	Wafer Vendor
	16.0	Handle Dopant	Boron	Wafer Vendor
	17.0	Handle Resistivity	0.005 ~ 0.01 Ohmcm	Wafer Vendor
	18.0	Backside Finish	Polished with lasermarking.	Process conditions
BuriedOxide	19.0	Oxide Type	NONE	
DeviceSilicon	20.0	Device Growth Method	FZ	Customer Suplied
	21.0	Device Orientation	{100} +/- 1.0 degree	Customer Suplied
	22.0	Nominal Thickness	150.00 +/- 1.00 μm	ADE Single point - 100%
	23.0	Distance to device silicon edge from wafer edge	<= 2.0mm	Guaranteed by process
	24.0	Device Doping Type	P	Customer Suplied
	25.0	Device Dopant	Boron	Customer Suplied
	26.0	Device Resistivity	>10000 Ohmcm	Customer Suplied
	27.0	Voids	0	Bright Light, 100% (note 2)
	28.0	Scratches	0	Bright Light, 100% (note 2)
	29.0	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, 100.00mm 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.	
		pections performed exclude all wafer area outside the edge exclusion	on defined in Overall

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





Additional Information

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