

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	380.00 +/- 10.00 $\mu$ m	ADE, 100%
	6.0	Total Thickness Variation (TTV)	<5.00 $\mu$ m	Guaranteed by Process
	7.0	Bow	<20.00 $\mu$ m	ADE to ASTM F534, 20%
	8.0	Warp	<20.00 $\mu$ m	ADE to ASTM F657, 20%
	9.0	Edge Chips	<30 $\mu$ m / Wafer edge polishgd or fine ground (No cracks)	Bright Light, 100% (note 2)
	10.0	Edge Exclusion	5mm	
	11.0	Frontsurface condition	Polished, surface roughness <1nm rms.	
	12.0	Flatness (SBIR)	<1 $\mu$ m, 25mm X 25mm. No partials.	
	13.0	Front Surface Quality	No Particles >10 $\mu$ m	
HandleSilicon	14.0	Handle Silicon Raw Material	Prime Silicon	
	15.0	Handle Growth Method	CZ	Wafer Vendor
	16.0	Handle Orientation	{100} +/- 1.0 degree	Wafer Vendor
	17.0	Handle Thickness	380.00 +/- 10.00 $\mu$ m	ADE, 100%
	18.0	Handle Doping Type	P	Wafer Vendor
	19.0	Handle Dopant	Boron	Wafer Vendor
	20.0	Handle Resistivity	>10 Ohmcm	Wafer Vendor
	21.0	Backside Finish	Polished, no lasermarking. Surface roughness <1nm rms. Light handling sertaches.	Wafer Vendor
	22.0	Surface Haze	none	Bright Light, 100% (note 2)

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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