



□ Single Crystal Silicon

CZ Silicon Wafer / FZ Silicon Wafer / FZ NTD Silicon Wafer / Epitaxial Silicon Wafer / Silicon Ingot

↘ CZ Single Crystal Silicon Wafer

CZ Single Crystal Silicon Wafer is widely used for integrated circuit, diode, transistor, discrete component, epitaxial wafer substrate, SOI wafer substrate, etc. As-cut, lapped, etched and polished wafer of 2" 3" 4" 5" 6" 8" and 12" are available.



No.	Items	Standard Specifications					
		2"	3"	4"	6"	8"	12"
1	Size	2"	3"	4"	6"	8"	12"
2	Diameter mm	50.8±0.3	76.2±0.3	100±0.5	150±0.5	200±0.5	300±0.5
3	Conductivity	P or N or un-doped					
4	Orientation	(100), (110), (111)					
5	Thickness μm	279, 381, 425, 525, 575, 625, 675, 725 or as required					
6	Resistivity Ω-cm	≤0.005, 0.005-1, 1-10, 10-20, 20-100, 100-300 etc					
7	RRV max	8%, 10%, 12%					
8	Primary Flat/Length mm	As SEMI standard or as required					
9	Secondary Flat/Length mm	As SEMI standard or as required					
10	TTV μm max	10	10	10	10	10	10
11	Bow & Warp μm max	30	30	30	30	30	30
12	Surface Finish	As-cut, L/L, P/E, P/P etc					
13	Packing	Foam box or cassette inside, carton box outside.					

↘ MCZ Single Crystal Silicon Wafer

MCZ Single Crystal Silicon Wafer, magnetic field-applied method added, enabling a lower oxygen content and dislocation, is used in electronic or photovoltaic industries. As-cut, lapped, etched and polished wafer of 2" 3" 4" 5" 6" and 8" are available.



No.	Items	Standard Specifications					
		2"	3"	4"	5"	6"	8"
1	Size	2"	3"	4"	5"	6"	8"
2	Diameter mm	50.8±0.3	76.2±0.3	100±0.5	125±0.5	150±0.5	200±0.5
3	Conductivity	P or N or un-doped					
4	Orientation	(100), (110), (111)					
5	Thickness μm	279, 381, 425, 525, 575, 625, 675, 725 or as required					
6	Resistivity Ω-cm	≤0.005, 0.005-1, 1-10, 10-20, 20-100, 100-300 etc					
7	RRV max	8%, 10%, 12%					
8	Carbon Content a/cm ³	<5E16					
9	Oxygen Content a/cm ³	<1E18					
10	TTV μm max	10	10	10	10	10	10
11	Bow & Warp μm max	30	30	30	30	30	30
12	Surface Finish	As-cut, L/L, P/E, P/P etc					
13	Packing	Foam box or cassette inside, carton box outside.					