



➤ FZ Single Crystal Silicon Wafer

FZ Single Crystal Silicon Wafer, thanks to the vertical floating zone refining technology, it has a lower resistivity variation, fewer Oxygen, Carbon or Nitrogen contamination, but much higher surface mechanical strength, which allowing it to be widely used for electronic devices fabrications, such as power rectifier, thyristor, GTO, MOSFET, IGBT, etc. P-type or N-type conductivity with as-cut, lapped, etched or polished surface finish is available. 2" 3" 4" 5" and 6" can be supplied.



No.	Items	Standard Specifications				
1	Size	2"	3"	4"	5"	6"
2	Diameter mm	50.8±0.3	76.2±0.3	100±0.5	125±0.5	150±0.5
3	Conductivity	N/P	N/P	N/P	N/P	N/P
4	Orientation	(100), (110), (111)				
5	Thickness μm	279, 381, 425, 525, 575, 625, 675, 725 or as required				
6	Resistivity Ω-cm	1-3, 3-5, 40-60, 800-1000, 1000-1400 or as required				
7	RRV max	8%, 10%, 12%				
8	TTV μm max	10	10	10	10	10
9	Bow/Warp μm max	30	30	30	30	30
10	Surface Finish	As-cut, L/L, P/E, P/P etc				
11	Packing	Foam box or cassette inside, carton box outside.				

➤ FZ NTD Single Crystal Silicon Wafer

FZ NTD Single Crystal Silicon Wafer is of advantages including high doping accuracy, high uniformity, small axial and radial resistivity variation, lower impurity or compensation of group III-V elements, therefore, being widely used for electronic devices fabrication such as, power rectifier, thyristor, GTO, MOSFET, IGBT etc. N-type conductivity with as-cut or lapped surface finish is available, 2" 3" 4" 5" and 6" can be supplied.



No.	Items	Standard Specifications				
1	Size	2"	3"	4"	5"	6"
2	Diameter	50.8±0.3	76.2±0.3	100±0.5	125±0.5	150±0.5
3	Conductivity	N	N	N	N	N
4	Orientation	(100), (111)				
5	Thickness μm	279, 381, 425, 525, 575, 625, 675, 725 or as required				
6	Resistivity Ω-cm	36-44, 44-52, 90-110, 100-250, 200-400 or as required				
7	RRV max	8%, 10%, 12%				
8	TTV μm max	10	10	10	10	10
9	Bow/Warp μm max	30	30	30	30	30
10	Carrier Lifetime μs	>200 or as required				
11	Surface Finish	As-cut or Lapped				
12	Packing	Foam box inside, carton box outside.				