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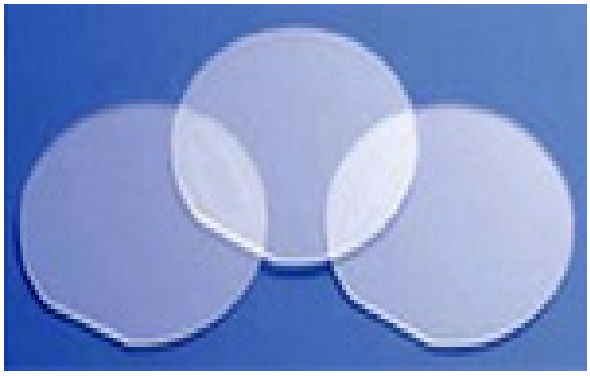
Synthetic Quartz Crystal Product

Crystal Wafer

Material	**Quartz Crystal SiO2**			
Cutting Angle	X/Y/Z/AT32、33、36/BT/ST42.75°-cut etc			
Diameter/size	3”(76.2mm)	4” （100mm)	6"(150mm)	8"(200mm)
Tol(±)	<0.20 mm			
Thinnest Thickness	0.08mm Min	0.10mm Min	0.20mm Min	0.35mm or more
Primary Flat	22mm	32mm	42.5mm	57.5mm
LTV (5mmx5mm)	<1μm			
TTV	<3μm			
Bow	-30<bow<30			
Warp	<40μm			
PLTV(<0.5um)	≥95%(5mm*5mm)			
Orientation Flat	All available			
Surface Type	Single Side Polished /Double Sides Polished			
Polished side Ra	<0.5nm			
Back Side Criteria	General is 0.2-0.5μm or as customized			
Edge Criteria	R=0.2mm or Bullnose			
Material Property	ECD	Better than grade 4		
	Inclusion	Better than grade II		
	Q-Value	Better than grade C		
Wafer Surface Criteria	Particles ¢>0.3 μ m	<= 30		
	Scratch , Chipping	None		
	Defect	No edge cracks, scratches, saw marks, stains		



Please contact us for customer specific requirements Square Wafer, Special Thickness, and so on