

■ List of Synthetic Quartz Crystal Specifications

● Lumbered Synthetic Quartz Crystal

Form	Application *	Stock Number	X size (mm)	Z size (mm)	Y size (mm)	Direction (°)	Seed x size (mm)	α_{3585}	Infrared Q value	Remarks
Z plate	AT	LZA18C	10.0±0.1	18.5±0.2	From 200	0°00'	10.0±0.1	Max.0.069	Min. 1.8 million	
Z plate	AT	LZA19C	10.5±0.1	19.5±0.2	From 200	0°00'	10.5±0.1	Max.0.069	Min. 1.8 million	
Z plate	AT	LZA20A	9.0±0.1	20.0±0.2	From 200	0°00'	9.0±0.1	Max.0.069	Min. 1.8 million	
Z plate	AT	LZA20F	22.5±0.1	20.0±0.2	From 200	0°00'	22.5±0.1	Max.0.069	Min. 1.8 million	
Z plate	WW	LZW18B	31.0±0.2	18.0±0.2	From 180	1°30'	31.0±0.2	Max.0.069	Min. 1.8 million	
Z plate	WW	LZW38H	31.2±0.2	38.0±0.5	From 230	1°30'	31.2±0.2	Max.0.069	Min. 1.8 million	Photolithographic processing available
Z plate	WW	LZW38C	65.0±0.2	38.0±0.2	From 180	1°30'	65.0±0.2	Max.0.069	Min. 1.8 million	
Z plate	WW	LZW38N	38.5 to 38.7	38.0±1.0	From 230	1°30'	38.5 to 38.7	Max.0.069	Min. 1.8 million	Photolithographic processing available
Z plate	WW	LZW39B	39.9±0.2	38.5±0.5	From 230	1°30'	39.9±0.2	Max.0.069	Min. 1.8 million	Photolithographic processing available
Z plate	SAW	LZT60A	77.5±0.2	60.2±0.2	From 210	0°00'	77.5±0.2	Max.0.069	Min. 1.8 million	
Z plate	SAW	LZT65A	77.5±0.2	65.5±0.2	From 210	0°00'	77.5±0.2	Max.0.069	Min. 1.8 million	
Z plate	SAW	LZT88B	100.0±0.2	88.5±0.2	From 240	0°00'	100.0±0.2	Max.0.069	Min. 1.8 million	
Z plate	SAW	LZT92B	100.0±0.2	92.0±0.2	From 240	0°00'	100.0±0.2	Max.0.069	Min. 1.8 million	
Z plate	HQ	LZH60A	34.5±0.5	From 60	From 180	0°00'	32.0±1.0	Max.0.024	Min. 3 million	
Z plate	HQ	LZH30A	31.0±0.1	30.0±0.2	From 240	0°00'	No seed included	Max.0.024	Min. 3million	Inclusion density Ia
Z plate	HQ	LZH36A	36.1±0.1	36.1±0.1	From 90	0°00'	No seed included	Max.0.020	Min. 3.4 million	Inclusion density Ia
Z plate	DRP	LZD19H	62.0±0.2	19.0±0.2	From 240	0°00'	No seed included			For optical components
Z plate	DRP	LZD23H	76.0±0.2	23.0±0.2	From 240	0°00'	No seed included			For optical components
Z plate	DRP	LZD38H	78.0±0.2	38.0±0.2	From 240	0°00'	No seed included			For optical components

* AT → AT-cut, WW → Wrist Watch, DRP → Double-Refraction Plate

* Synthetic quartz crystals with specifications other than the above dimensions and angles can be manufactured upon request.

* Contact us separately about high-purity synthetic quartz crystals.

