

Quartz (z-cut) prisms

The most frequently requested specifications for z-cut quartz and fused silica prisms are as follows:

Length of hypotenuse	up-to 100 ± 0.1mm
Length of sides	up-to 100 ± 0.1mm
Thickness	30 ± 0.05mm
Angle tolerance	better than 1 arc minute
Edge finish	ground, blacked
Clear aperture	90% of entrance dimensions
Chamfer	0.3x0.3@45°
Form error	better than $\lambda/4$ (633nm) over aperture
Surface quality	20-10 scratch/ dig

Coatings

BBAR coatings @1-2.5 μ m

Diamond-Like Carbon (DLC) coating @1-2.5 μ m

Our capabilities are always expanding so if your requirement is not mentioned above please enquire as we have many years of experience in this field.

Contact our multilingual technical sales team and discover how Knight Optical's high quality z-cut quartz prisms prism capabilities and service can improve your instrumentation and supply chain experience.