

## Potassium bromide windows

The most frequently requested specifications for potassium bromide windows are as follows:

<b>Diameter range</b>	less than 5mm to 80mm
<b>Diameter tolerance</b>	better than $\pm 0.1$ mm
<b>Centre thickness</b>	up to 30mm
<b>Centre thickness tolerance</b>	better than $\pm 0.05$ mm
<b>Clear aperture</b>	90%
<b>Centration tolerance</b>	better than 1 arc minute
<b>Form error</b>	better than $\lambda/4$ (633nm) over aperture
<b>Surface radius tolerance</b>	less than 1 fringe over aperture
<b>Linear dimension</b>	up to 80mm
<b>Linear tolerance</b>	better than $\pm 0.1$ mm
<b>Angular tolerance</b>	better than 5 arc minutes
<b>Edge finish</b>	ground, blacked
<b>Chamfer</b>	0.3x0.3@45°
<b>Surface quality</b>	40-20 scratch/ dig

## Coatings

BBAR coating @1-25 $\mu$ m

Diamond-Like Carbon (DLC) coating @1-25 $\mu$ 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 potassium bromide window capabilities and service can improve your instrumentation and supply chain experience.