



Discover how we can improve your
instrumentation and supply chain
experience today!

KO | BRINGING QUALITY INTO FOCUS

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UV Fused Silica for Vacuum Windows

Knight Optical can offer [UV Fused Silica Windows](#) for Vacuum Applications.

UV Fused Silica is a relatively hard optical glass with a very low coefficient of thermal expansion. This means that it is a good choice for us in Vacuum applications, as any difference in temperature will not affect the optical performance.

In addition to the above, UV FS has high transmission from [UV to NIR](#) meaning that there is little loss of image when it is used for a Vacuum Window/viewport and therefore the quality of the optical system is not compromised.

Typical specs:

Material:	UV Grade Fused Silica
Operating Wavelength	587nm
Diameter Tolerance:	+0 / -0.10mm
Centring Tolerance	<5 arc min
Focal Length Tolerance:	± 0.2mm (<10mm) ±2.0% (10mm – 1000mm)
Centre Thickness Tolerance	±0.2mm
Surface Figure	3/ 3 (1)
Surface Quality:	<40-20 Scratch/Dig
Coating:	Optional

All our UV Fused Silica Lenses are fully inspected on their quality in our ISO 9001 certified, state-of-the-art Metrology laboratory, using our Trioptics Optispheric, and Starrett AV300 and Zygo Verifire XPZ. This allows us to work to the highest [QA standards](#) and meet the tolerance specifications on these **precision components**.

[Contact our technical sales team](#) to discover how Knight Optical's high quality UV FS lenses and superior service can improve your instrumentation and supply chain experience.

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- View our [QA and metrology information](#)
- Watch our [Corporate Video](#)
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