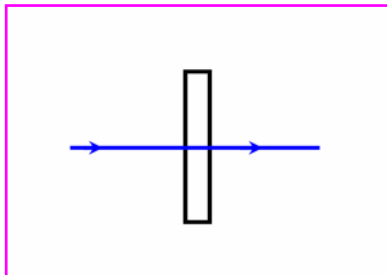


# Fused Silica UV Windows



UV fused silica windows are commonly used to isolate two atmospheric regions of an optical system while permitting light to pass. The quality of the window can be critical. It should be of high purity and polish in order not to affect the optical system.



When large pressure differences are anticipated across the window extra thickness will be required to hold the flatness and parallelism specifications.

Windows may also be used as coating substrates for use in a wide range of applications.

UV windows are supplied in a wide range of shapes and to various levels of flatness and parallelism:

|              |   |
|--------------|---|
| Shape:       | Circular, Square, Elliptical                                    |
| Flatness:    | $\lambda/10$ , $\lambda/4$ , $\lambda/2$ , $2\lambda$ per 25mm. |
| Parallelism: | 10 arcsec, 3 arcmin   |
| Wedge:       | 0, 30 arcmin, $1^\circ$ , $2^\circ$ , $3^\circ$                 |

We can supply **circular** UV windows in diameters of 10.0, 12.7, 19.1, 20.0, 25.4, 30.0, 38.1, 40.0, 50.8 mm or any custom size.



We can supply **square** optical windows in sides of 10.0, 12.7, 19.1, 20.0, 25.4, 30.0, 38.1, 40.0, 50.8 mm or any custom size.

We can supply **elliptical** optical windows with a minor axis of 12.7, 15.0, 19.1, 25.4 mm or any custom size.



These windows are uncoated, but coatings may be applied as required — see the datasheet on Coated UV Windows.

| Typical Specifications |  |
|------------------------|--|
| Substrate Material:    | UVFS   |
| Surface flatness:      | $\lambda/10$ , $\lambda/4$ , $\lambda/2$ , or $2\lambda$ |
| Surface quality:       | 10/5   |
| Parallelism:           | < 10 arcsec or 3 arcmin                                  |
| Wedge:                 | 0, 30 arcmin, $1^\circ$ , $2^\circ$ or $3^\circ$         |
| Diameter:              | +0.0 / -0.2 mm   |
| Thickness:             | $\pm 0.25$ mm  |

**To request a quote or to order, please specify:**

Quantity — Material (UVFS) — Shape — Dimensions — Flatness—Parallelism or Wedge

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For a quotation — please phone, fax or email us with details of your requirements.