

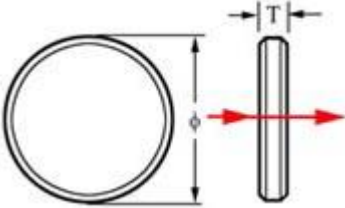
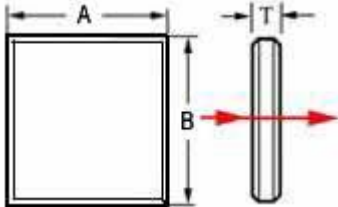
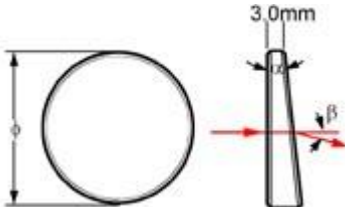
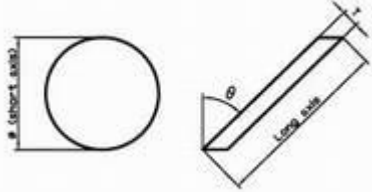
## Optical Window

Optical window is applied to isolate different physical environments while allowing light to pass. When selecting optical window you should consider material, transmission, scattering, wavefront distortion, parallelism and resistance to certain environment. Unifibre offers a wide range of different materials and different degree of precision windows.



Unifibre provides several kinds of windows for different applications. Custom-designed optical windows are available upon request.

**Material:** BK7, Fused silica, Sapphire, Quartz, Silicon, MgF<sub>2</sub>, CaF<sub>2</sub>, ZnSe, etc.

|                                               |                                                                                                                    |                                                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Precision Window</b>                       |                                  | Ideal for interferometer flat, laser window, beamsplitter substrate, or parallel plate.                                    |
| <b>Commercial Quality plano-plano Window</b>  | <p>Round or rectangle shape</p>  | Commercial window commonly used as sight glass, instrument window, beamsplitter substrate, vacuum window, etc.             |
| <b>Wedge Window<br/>Wedge Prism</b>           |                                 | Wedge window (Wedge prism) is a wedge shaped piece of glass which refracts light rays, thus establishing a critical angle. |
| <b>Brewster window<br/>Ellipitical Window</b> |                                | Brewster window is cutted as brewster angle, It's used as polarizer in laser cavity.                                       |
| <b>Laser Window</b>                           | Round or rectangle shape as above                                                                                  | With perfect surface polishing, laser window is fit for high power laser applications.                                     |



|                                             |                                                  |                                                                                                                                                 |
|---------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Magnesium Fluoride (MgF2)<br/>Window</b> | Round or rectangle shape as above                | Magnesium Fluoride (MgF2) has excellent transmission in the UV wavelength. MgF2 window can be used for excimer & Nd:YAG laser.                  |
| <b>Sapphire Window</b>                      | Round, rectangle shape<br>Custom shape available | Sapphire is one of the hardest optical material. It has wide transmission range from 180nm - 4500nm. It's an ideal material for optical window. |

AR coating is available by request.  
R<0.25%@single wavelength  
Ravg<0.5%@broadband wavelength range