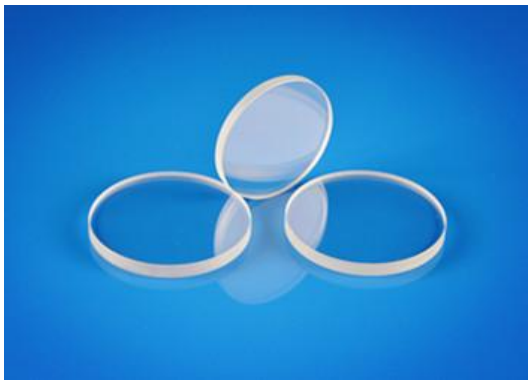
Windows for Lasers

Laser-Line Windows are used in laser applications to separate different environments from one another. Laser Windows are ideal for protecting work areas or sensitive components by deflecting harmful laser beams. Laser-Line Windows use substrates, coatings, or a combination of the two to transmit specific wavelengths or ranges of wavelengths. Laser-Line Windows can also be used to optimize laser transmissions by transmitting only the wanted wavelengths.
Hangzhou Shalom EO offers high quality **laser windows** for a variety of laser lines.



SPECIFICATIONS

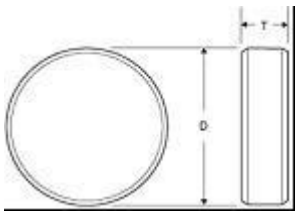
Material Specifications	BK7 UV fused Silica	CaF2, MgF2
Surface Quality	10/5 S/D	20/10 S/D
Flatness	Lambda/10 @ 633nm (Lambda/20@633nm for bruster-angled windows)	Lambda/8 @ 633nm
Dimensional tolerance	+0.0 / -0.20 mm	
Thickness Tolerance	+/- 0.2mm	
Wedge Tolerance	5 minutes	
Clear Aperture	>85% of dimension	
AR Coating	Single Wavelength: R<0.20	
	Broadband AR: R avg<0.50%	
	Dual Wavelength: Customized	
Damage Threshold	10J/cm2, 8nsec pulse; 1MW/cm2 CW @ 1064nm	

Addr. Room A1031, Boke Mansion, No.9 Xiyuan Road, Xihu District, Hangzhou 310030, China.
Tel:+86-571-87920630 Fax:+86-571-87603342 E-mail:sales@shalomeo.com Home:www.shalomeo.com

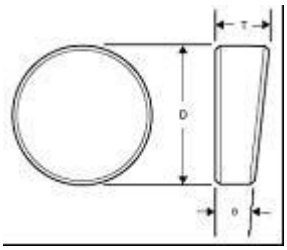
Modules or types

Windows Types

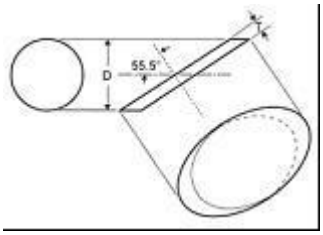
Planar Windows



Wedged Windows



Bruster-angled Windows



Substrate Materials

BK7, UV Fused Silica, UV grade CaF2, UV grade MgF2 , IR grade CaF2, Silicon, germanium or Custom material.

Application Notes

- Nd:YAG or Nd:YVO4 lasers, Diode lasers, Fiber lasers, Excimer laser, He-Ne laser, Gas lasers and other gas lasers.
- IR remote sensing, Thermal imagine, Surveillance and security, Medical thermography.

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