

Laser Windows

Product Information

Windows are used in optical systems to protect lenses from dust or pollution – very high transmission, low absorption material and a low wavefront distortion are the key points for a laser window.

Applications

Laser windows can be used in a variety of applications, e. g.

- High-Power Laser
- Materials processing (welding)
- Lens protection after the focusing head
- Solid-State Laser (Nd: YAG)

Advantages

- Customized design
- High quality consistency
- High laser damage threshold
- High accurate shape
- Low Scratch-Dig
- Low roughness

Materials

All types of optical glass, fused silica

Quality Assurance

Our quality control is based on self-checking during production and 100% final inspection.

A coating curve is delivered with the component.



Specifications

Design Wavelength	350 – 2400 nm
Diameter	12.7 – 25.4 mm up to 300 mm, different shapes on request
Surface Quality (S-D)	10 – 5
Roughness	< 1 nm RMS
Parallelism	< 1 arc minute
Wavefront Distortion	< $\lambda/10$
Damage Threshold	> 10 J/cm ² @ 1064 nm, single pulse, 650 ps
AR Coating	R < 0,5 %

For more information please contact:

Advanced Optics
SCHOTT AG
Hattenbergstrasse 10
55122 Mainz
Germany

Phone: +49 (0)6131/66-1812
Fax: +49 (0)3641/2888-9047
info.optics@schott.com
www.schott.com/advanced_optics

SCHOTT
glass made of ideas