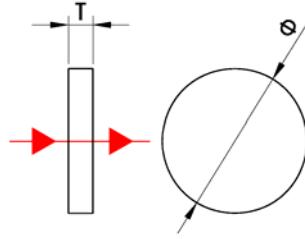


Fused Silica Window



Fused silica is formed by chemical combination of silicon and oxygen. Advantages of fused silica material include good UV and IR transmission, low thermal expansion, providing stability and resistance to thermal shock over large temperature excursions, wider thermal operating range and high laser damage threshold. Used for windows, lenses, prisms and mirror substrates.

Transmission Range: 185~2500nm

Thermal Expansion Coefficient: $0.54 \times 10^{-6}/K$

Density: $2.20g/cm^3$

Grade	E	H	S
Material	UVFS		
Diameter Tolerance	+0.0, -0.1mm		
Thickness Tolerance	±0.1mm		±0.2mm
Clear Aperture	>90%		
Parallelism	5"	10"	30"
Wavefront Distortion (@632.8nm)	$\lambda/10$	$\lambda/8$	$\lambda/4$
Surface Quality	10/5	20/10	60/40
Bevel	Protective		
Coating	Uncoated		

P/N	Φ	T	Grade
10201	10.00	6.00	E
10202	12.70	6.00	E
10203	15.00	6.00	E
10204	20.00	6.00	E
10205	25.40	6.00	E
10206	10.00	6.00	H
10207	12.70	6.00	H
10208	15.00	6.00	H
10209	20.00	6.00	H
10210	25.40	6.00	H
10211	10.00	3.00	S
10212	12.70	3.00	S
10213	15.00	3.00	S
10214	20.00	3.00	S
10215	25.40	3.00	S

- Dimension unit: mm
- Other sizes and coatings are available upon request.