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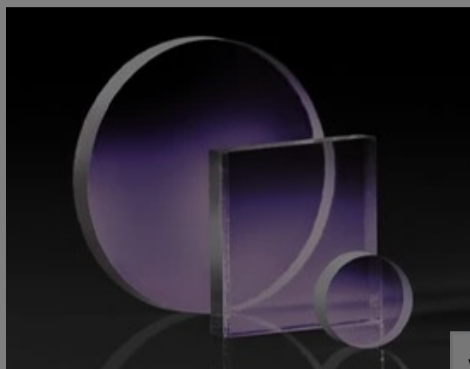
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**TECHSPEC®**

# 25mm Diameter Window

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TECHSPEC BOROFLOAT Borosilicate Windows

Stock #83-375 **12 In Stock**

1

€34<sup>,50</sup>

**ADD TO CART**



Volume Pricing	
Qty 1-5	€34,50 each
Qty 6-25	€28,00 each
Qty 26-99	€25,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	<a href="#">Download All</a>

## General

<b>Type:</b> Protective Window	<b>Type of Window:</b> Glass
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## Physical & Mechanical Properties

<b>Clear Aperture CA (mm):</b> 22.50	<b>Diameter (mm):</b> 25.00 ±0.5
<b>Thickness (mm):</b> 3.30 ±0.2	<b>Bevel:</b> Protective as needed
<b>Clear Aperture (%):</b> ≥90	<b>Edges:</b> Ground
<b>Poisson's Ratio:</b> 0.20	<b>Young's Modulus (GPa):</b> 64
<b>Knoop Hardness (kg/mm<sup>2</sup>):</b> 480.00	

## Optical Properties

<b>Coating:</b> MgF <sub>2</sub> (400-700nm)	<b>Substrate:</b> <b>BOROFLOAT®</b>
<b>Index of Refraction (n<sub>d</sub>):</b> 1.472	<b>Surface Quality:</b> 80-50
<b>Transmission (%):</b> ≥95	<b>Abbe Number (v<sub>d</sub>):</b> 65.41
<b>Coating Specification:</b> R <sub>abs</sub> ≤2.5% @ 550nm	<b>Wavelength Range (nm):</b> 400 - 700

**Surface Flatness (P-V):** 4 - 6λ

## Material Properties

**Density (g/cm<sup>3</sup>):** 2.23

**Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):** 3.25 (+20 to +300°C)

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## Environmental & Durability Factors

**Operating Temperature (°C):** 1 hour @ 500;  
>100 hours @ 450

**Resistance to Temperature Difference (K):** Short Term, 1 hr: 110K  
1 - 100 hrs: 90K

Long Term, >100 hrs: 80K

**Thermal Shock (K):** Up to 4mm Thick: 175K  
4 - 6mm Thick: 160K  
6 - 15mm Thick: 150K

## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 247: **Compliant**

## Product Details

- Low Coefficient of Thermal Expansion
- Visible to Near Infrared Transmission
- High Resistance to Thermal Shock

TECHSPEC® BOROFLOAT® Borosilicate Windows are ideal for high temperature and harsh environment applications. The windows have a low coefficient of thermal expansion of 3.25 (+20 to +300°C). TECHSPEC® BOROFLOAT® Borosilicate Windows feature visible to near infrared transmission. Unlike common borosilicate that is drawn flat, BOROFLOAT® is produced by a float technique that yields superior surface flatness — typically 4 - 6λ per inch. BOROFLOAT® is about three times more resistant to thermal shock than standard soda lime glass.

Can't find what you need? Get a quick [custom quote](#).

## Technical Information

## Coating Curves

MgF<sub>2</sub> (400-700nm)



🔍 SHIFT + SELECT an area on CURVE to zoom

Please note that coating performance outside each product's specified design range is theoretical and may vary.

## Quote Your Size

PLEASE ENTER YOUR  
REQUIRED SPECIFICATIONS  
HERE:

Type

Substrate

Thickness (mm)

Shape ⓘ

Diameter (mm) ⓘ

Length (mm) ⓘ

Width (mm) ⓘ

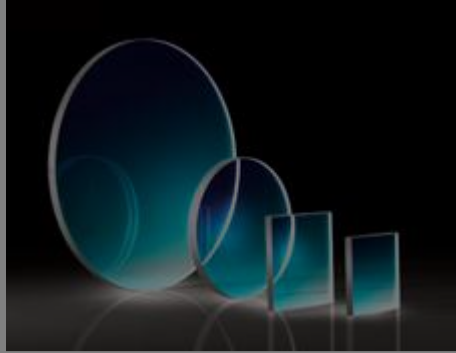
Quantity ⓘ

**GET PRICING**

TYPICAL 4-6 WEEK DELIVERY. DELIVERY DATE TO BE CONFIRMED AT TIME OF ORDER.

OTHER SUBSTRATES, DIMENSIONS AND THICKNESSES OUTSIDE OF THOSE SHOWN HERE ARE ALSO AVAILABLE. IF YOU ARE INTERESTED IN A PRODUCT OUTSIDE OF THE SPECIFICATIONS SHOWN IN THIS TABLE, PLEASE [CONTACT US](#) TO DISCUSS MANUFACTURING FEASIBILITY.

**Frequently Purchased Together**



#30-773 - 25mm Diameter Float Glass Window  
€19,00

Qty



#32-75

€32,75

Qty



€145,00

Qty



#34-526 - 25mm Diameter, Outdoor, Hydrophobic Window  
€95,00














































Qty

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## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 <a href="#">Request Quote</a>	14 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 <a href="#">Request Quote</a>	14 In Stock <input type="text" value="1"/>
	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 <a href="#">Request Quote</a>	15 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 <b>CLEARANCE</b>	€95,95 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	€98,50 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>
	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws				€107,00	20+ In Stock <input type="text" value="1"/> 
	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder					CONTACT US <input type="text" value="1"/> 
	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 7.0 - 67.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 8.0 - 118.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 Request Quote	5 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	€161,00 Request Quote	4 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	€182,00 Request Quote	9 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	2 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	€336,00 Request Quote	14 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#55-456	€361,00 Request Quote	3 In Stock <input type="text" value="1"/> 
	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	€461,00 Request Quote	4 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	2 In Stock <input type="text" value="1"/> 

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Check out our full selection of mounts [here](#).

# Resources

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## Media Type

- Application Note
- Technical Tool
- Video
- Glossary
- FAQ



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