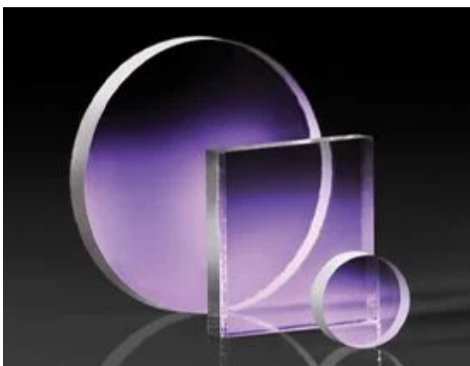


TECHSPEC®

10mm Diameter x 1.75mm Thickness, Uncoated, BOROFLOAT® Window

 See More by [SCHOTT Optical Components](#)


TECHSPEC BOROFLOAT Borosilicate Windows

 Stock #43-889 **20+ In Stock**
 1
MRP ₹2,548

ⓘ Price inclusive of all taxes



Volume Pricing	
Qty 1-5	₹2,548 each
Qty 6-25	₹2,018 each
Qty 26-99	₹1,816 each
Need More?	Request Quote

Product Downloads	
STEP:step	PDF Drawing:pdf
IGES:igs	eDrawing:eprt
EO Spec Sheet	Download All

General

Type: Protective Window

Type of Window: Glass

Physical & Mechanical Properties

Clear Aperture CA (mm):	9.00	Diameter (mm):	10.00 ±0.5
Thickness (mm):	1.75 ±0.2	Bevel:	Protective as needed
Clear Aperture (%):	≥90	Edges:	Ground
Poisson's Ratio:	0.20	Young's Modulus (GPa):	64
Knoop Hardness (kg/mm²):	480.00		

Optical Properties

Coating:	Uncoated	Substrate: ⓘ	BOROFLOAT®
Index of Refraction (n_d):	1.472	Surface Quality:	80-50
Transmission (%):	90	Abbe Number (v_d):	65.41
Wavelength Range (nm):	350 - 2000	Surface Flatness (P-V):	4 - 6λ

Material Properties

Density (g/cm³):	2.23	Transformation Temperature (°C):	525
Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	3.25 (+20 to +300°C)		

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		
Country of Origin:	United States	Imported By:	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

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

Quote Your Size

PLEASE ENTER YOUR
REQUIRED SPECIFICATIONS
HERE:

Type

Window/Diffuser

Substrate

Thickness (mm)

Shape ⓘ

Diameter (mm) ⓘ

Length (mm) ⓘ

Width (mm) ⓘ

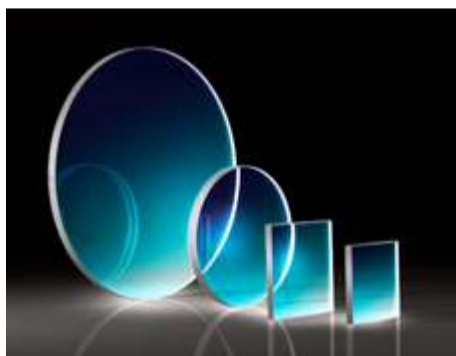
Quantity ⓘ

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



#02-075 - 6.3mm Diameter Float Glass Window
₹1,463

Qty



#02-105 - 12.5mm Diameter Float Glass Window
₹1,514

Qty



#30-773 - 25mm Diameter Float Glass Window
₹1,918

Qty











#32-012 - 12mm Dia. x 18mm FL Uncoated, Double-Convex Lens
₹3,430

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	10.0mm Optic Dia., Optic Mount	Fixed		#64-554	₹3,305 Request Quote	20+ In Stock <input type="text" value="1"/>
	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	₹10,291 Request Quote	20+ In Stock <input type="text" value="1"/>
	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	₹10,694 Request Quote	2 In Stock <input type="text" value="1"/>
	10.0 - 60.0mm Optic Height, Metric	Fixed		#55-530	₹10,896 Request Quote	CONTACT US <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
	Bar-Type Optic Holder					
MORE+ 	7.0 - 67.0 Optic Height, English Bar- Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	8.0 - 118.0 Optic Height, English Bar- Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> 
MORE+ 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	₹15,840 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 

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

Resources

Media Type

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

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

TECHNICAL TOOL

Beam Displacement Calculator

APPLICATION NOTE

Understanding Optical Windows

VIDEO

Optical Windows Review

APPLICATION NOTE

Optical Glass

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