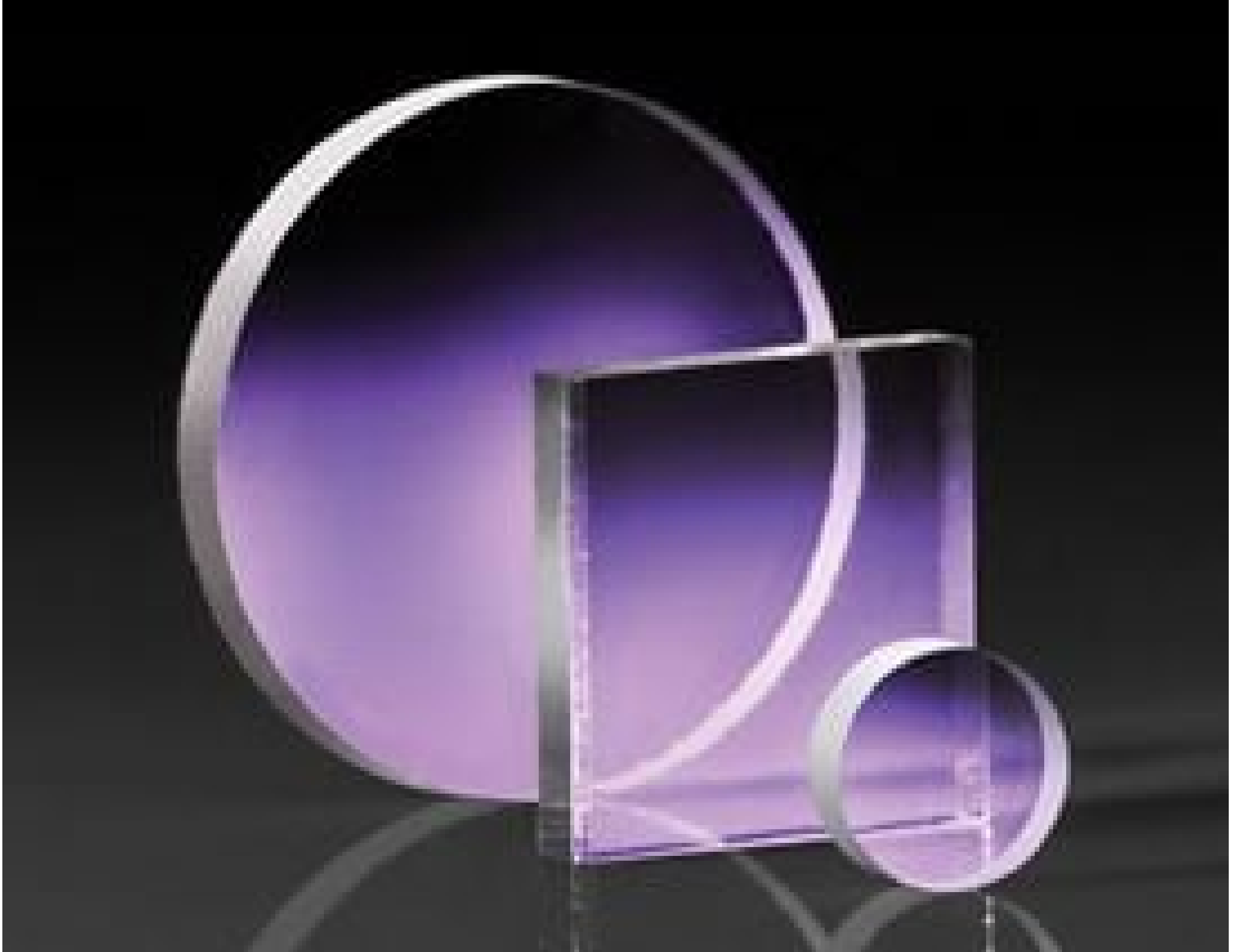


TECHSPEC® 25 x 25 x 3.3mm Thickness, MgF₂ Coated, BOROFLOAT® Window

See More by [SCHOTT Optical Components](#)



TECHSPEC BOROFLOAT Borosilicate Windows

Stock **#83-376** **11 In Stock**

⊖ 1 ⊕ €16²³ €32,45

ADD TO CART

Volume Pricing	
Qty 1-5	€32,45 €16,23 each
Qty 6-25	€26,01 €13,01 each
Qty 26-99	€23,69 €11,85 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Protective Window **Type:**

Physical & Mechanical Properties

Protective as needed	Bevel:
≥90	Clear Aperture (%):
22.50 x 22.50	Clear Aperture CA (mm):
25.00 x 25.00	Dimensions (mm):
3.30 ±0.2	Thickness (mm):
Seamed	Edges:
480.00	Knoop Hardness (kg/mm²):
0.20	Poisson's Ratio:
64	Young's Modulus (GPa):
25.00	Length (mm):
25.00	Width (mm):

Optical Properties

65.41	Abbe Number (v_d):
MgF ₂ (400-700nm)	Coating:
R _{abs} ≤2.5% @ 550nm	Coating Specification:
1.472	Index of Refraction (n_d):
BOROFLOAT®	Substrate:
4 - 6λ	Surface Flatness (P-V):
80-50	Surface Quality:
≥95	Transmission (%):
400 - 700	Wavelength Range (nm):

Material Properties

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

Environmental & Durability Factors

1 hour @ 500; >100 hours @ 450	Operating Temperature (°C):
Short Term, 1 hr: 110K 1 - 100 hrs: 90K Long Term, >100 hrs: 80K	Resistance to Temperature Difference (K):
Up to 4mm Thick: 175K 4 - 6mm Thick: 160K 6 - 15mm Thick: 150K	Thermal Shock (K):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

PRODUCT DETAILS

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

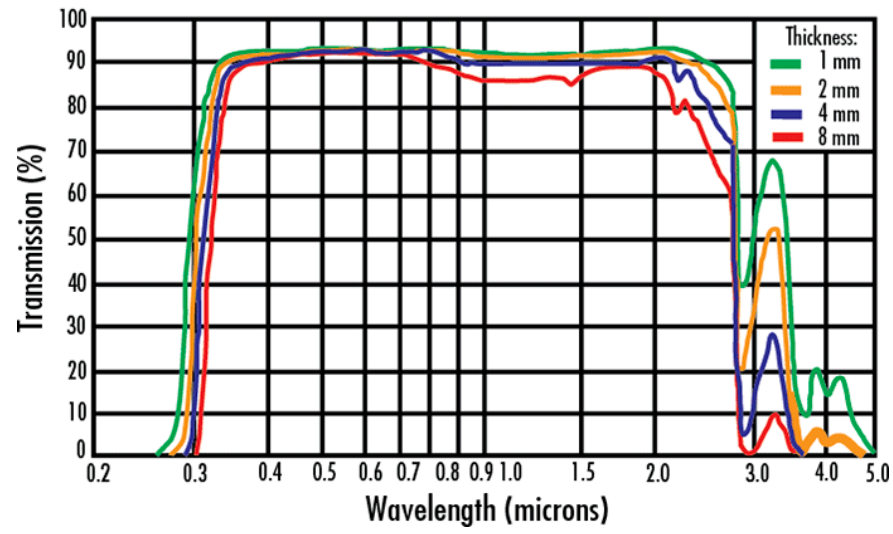
TECHSPEC® BOROFLOAT® Borosilicate Windows are ideal for high temperature and harsh environment applications. The windows have a low coefficient of thermal expansion of 3.25 (+20 to +300°C).

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

BOROFLOAT®



COATING CURVES

COMPATIBLE MOUNTS