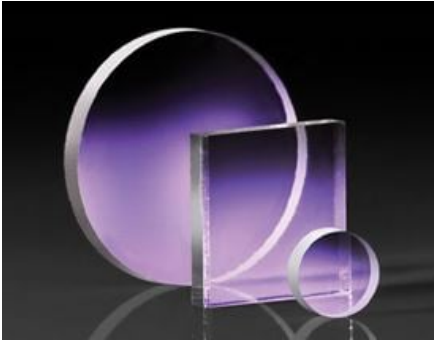


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TECHSPEC® BOROFLOAT® Borosilicate Windows See More by [SCHOTT Optical Components](#)

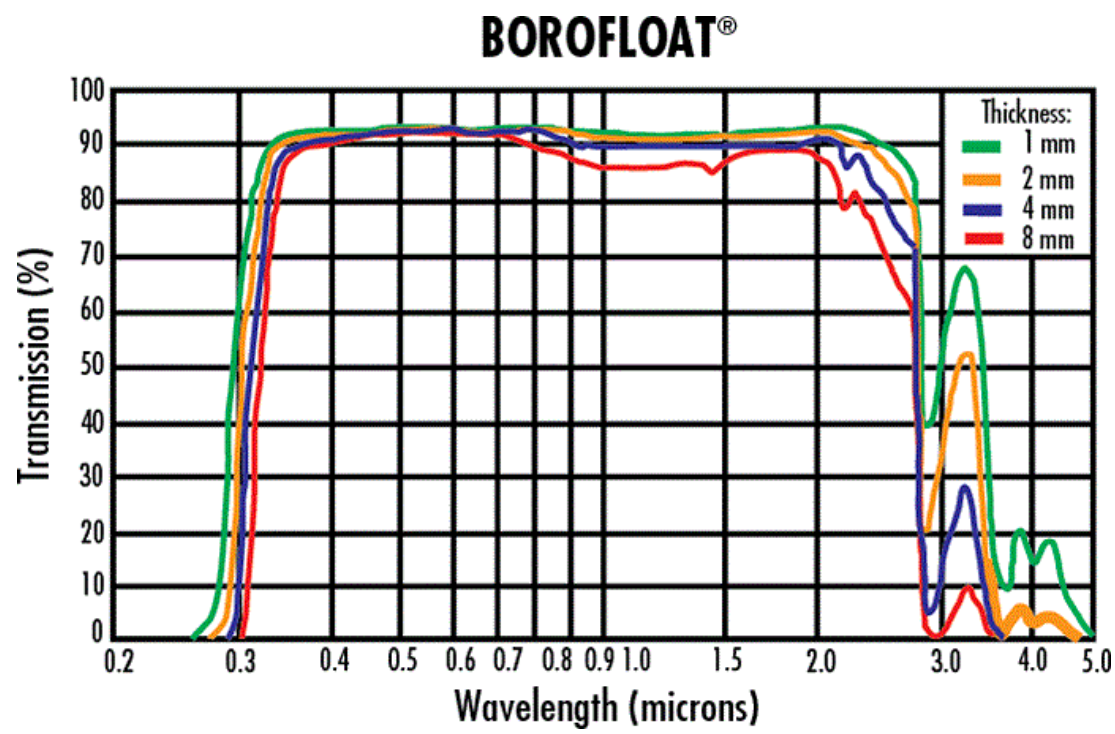


- Low Coefficient of Thermal Expansion
- Visible to Near Infrared Transmission
- High Resistance to Thermal Shock

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	≥90
Knoop Hardness (kg/mm ²):	480	Poisson's Ratio:	0.2
Young's Modulus (GPa):	64		
Optical Properties			
Abbe Number (v _d):	65.41		
Index of Refraction (n _d):	1.472	Substrate:	BOROFLOAT®
Surface Flatness (P-V):	4 - 6λ	Surface Quality:	80-50
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	3.25 (+20 to +300°C)	Density (g/cm ³):	2.23
Transformation Temperature (°C):	525		

Technical Information



Products

Dia. (mm)	Dimensions (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	-	1.10	Uncoated	#29-384	€23,00 Qty 6+ €18,25	3-4 days
#29-396 New						
				 New Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!		
5.00	-	1.10	MgF ₂ (400-700nm)		€28,75 Qty 6+ €23,25	3-4 days
5.00	-	1.75	Uncoated	#43-888	€23,00 Qty 6+ €18,25	In Stock
5.00	-	1.75	MgF ₂ (400-700nm)	#83-369	€28,75 Qty 6+ €23,25	3-4 days
5.00	-	1.75	NIR (700-1150nm)	#12-184	€35,25 Qty 6+ €28,25	3-4 days
10.00	-	1.10	Uncoated	#39-271	€23,00 Qty 6+ €18,25	In Stock

[#29-397 New](#)



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10.00	-	1.10	MgF ₂ (400- 700nm)		€28,75 Qty 6+ €23,25	3-4 days
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10.00	-	1.75	Uncoated	#43-889	€23,00 Qty 6+ €18,25	In Stock
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10.00	-	1.75	MgF ₂ (400- 700nm)	#83-370	€28,75 Qty 6+ €23,25	3-4 days
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10.00	-	1.75	NIR (700- 1150nm)	#12-185	€35,25 Qty 6+ €28,25	3-4 days
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-	10.00 x 10.00	1.10	Uncoated	#29-385	€23,00 Qty 6+ €18,25	3-4 days
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[#29-398 New](#)



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-	10.00 x 10.00	1.10	MgF ₂ (400- 700nm)		€28,75 Qty 6+ €23,25	3-4 days
-	10.00 x 10.00	1.75	Uncoated	#48-541	€23,00 Qty 6+ €18,25	In Stock
-	10.00 x 10.00	1.75	MgF ₂ (400- 700nm)	#83-371	€28,75 Qty 6+ €23,25	3-4 days
-	10.00 x 10.00	1.75	NIR (700- 1150nm)	#12-186	€35,25 Qty 6+ €28,25	3-4 days
12.50	-	1.10	Uncoated	#39-272	€23,00 Qty 6+ €18,25	In Stock

[#29-399 New](#)



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12.50

-

1.10

MgF₂
(400-
700nm)

€28,75
Qty 6+ €23,25

3-4 days

12.50

-

1.75

Uncoated

[#43-890](#)

€23,00
Qty 6+ €18,25

In Stock

12.50

-

1.75

MgF₂
(400-
700nm)

[#83-372](#)

€28,75
Qty 6+ €23,25

In Stock

12.50

-

1.75

NIR (700-
1150nm)

[#12-187](#)

€35,25
Qty 6+ €28,25

3-4 days

15.00

-

1.10

Uncoated

[#29-386](#)

€23,00
Qty 6+ €18,25

3-4 days

[#29-400 New](#)



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15.00	-	1.10	MgF ₂ (400- 700nm)		€28,75 Qty 6+ €23,25	3-4 days
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15.00	-	1.75	Uncoated	#43-891	€23,00 Qty 6+ €18,25	In Stock
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15.00	-	1.75	MgF ₂ (400- 700nm)	#83-373	€28,75 Qty 6+ €23,25	In Stock
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15.00	-	1.75	NIR (700- 1150nm)	#12-188	€35,25 Qty 6+ €28,25	Contact Us
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20.00	-	1.10	Uncoated	#29-387	€25,50 Qty 6+ €20,25	3-4 days
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[#29-401 New](#)



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20.00	-	1.10	MgF ₂ (400- 700nm)		€31,50 Qty 6+ €25,25	3-4 days
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20.00	-	3.30	Uncoated	#45-461	€25,50 Qty 6+ €20,25	In Stock
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20.00	-	3.30	MgF ₂ (400- 700nm)	#83-374	€31,50 Qty 6+ €25,25	3-4 days
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20.00	-	3.30	NIR (700- 1150nm)	#12-189	€43,25 Qty 6+ €34,50	3-4 days
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25.00	-	1.10	Uncoated	#39-273	€25,50 Qty 6+ €20,25	In Stock
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[#29-402 New](#)



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25.00	-	1.10	MgF ₂ (400- 700nm)		€31,50 Qty 6+ €25,25	3-4 days
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25.00	-	3.30	Uncoated	#43-892	€25,50 Qty 6+ €20,25	In Stock
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25.00	-	3.30	MgF ₂ (400- 700nm)	#83-375	€31,50 Qty 6+ €25,25	3-4 days
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25.00	-	3.30	NIR (700- 1150nm)	#12-190	€43,25 Qty 6+ €34,50	3-4 days
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-	25.00 x 25.00	1.10	Uncoated	#29-388	€25,50 Qty 6+ €20,25	3-4 days
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[#29-403 New](#)



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-	25.00 x 25.00	1.10	MgF ₂ (400-700nm)		€31,50 Qty 6+ €25,25	3-4 days
-	25.00 x 25.00	3.30	Uncoated	#48-542	€25,50 Qty 6+ €20,25	3-4 days
-	25.00 x 25.00	3.30	MgF ₂ (400-700nm)	#83-376	€31,50 Qty 6+ €25,25	In Stock
-	25.00 x 25.00	3.30	NIR (700-1150nm)	#12-191	€43,25 Qty 6+ €34,50	3-4 days
30.00	-	1.10	Uncoated	#29-389	€31,25 Qty 6+ €25,00	Contact Us

[#29-404 New](#)



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30.00	-	1.10	MgF2 (400- 700nm)		€43,25 Qty 6+ €34,50	3-4 days
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30.00	-	3.30	Uncoated	#45-462	€31,25 Qty 6+ €25,00	In Stock
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30.00	-	3.30	MgF2 (400- 700nm)	#83-377	€43,25 Qty 6+ €34,50	In Stock
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30.00	-	3.30	NIR (700- 1150nm)	#12-192	€54,00 Qty 6+ €43,00	3-4 days
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40.00	-	1.10	MgF2 (400- 700nm)		€43,25 Qty 6+ €34,50	3-4 days
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[#29-406 New](#)



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40.00	-	3.30	MgF2 (400-700nm)		€43,25 Qty 6+ €34,50	3-4 days
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40.00	-	1.10	Uncoated	#29-390	€31,25 Qty 6+ €25,00	3-4 days
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40.00	-	3.30	Uncoated	#29-391	€31,25 Qty 6+ €25,00	3-4 days
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50.00	-	1.10	Uncoated	#39-274	€31,25 Qty 6+ €25,00	3-4 days
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[#29-407 New](#)



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50.00	-	1.10	MgF2 (400-700nm)		€43,25 Qty 6+ €34,50	3-4 days
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50.00	-	3.30	Uncoated	#43-893	€31,25 Qty 6+ €25,00	In Stock
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50.00	-	3.30	MgF ₂ (400-700nm)	#83-378	€43,25 Qty 6+ €34,50	In Stock
50.00	-	3.30	NIR (700-1150nm)	#12-193	€54,00 Qty 6+ €43,00	3-4 days
-	50.00 x 50.00	1.10	Uncoated	#29-392	€31,25 Qty 6+ €25,00	In Stock
#29-408 New						
× New Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!						
-	50.00 x 50.00	1.10	MgF ₂ (400-700nm)		€43,25 Qty 6+ €34,50	In Stock
-	50.00 x 50.00	3.30	Uncoated	#48-543	€31,25 Qty 6+ €25,00	In Stock
-	50.00 x 50.00	3.30	MgF ₂ (400-700nm)	#83-912	€43,25 Qty 6+ €34,50	3-4 days
-	50.00 x 50.00	3.30	NIR (700-1150nm)	#12-194	€54,00 Qty 6+ €43,00	3-4 days
60.00	-	3.30	Uncoated	#29-393	€33,25 Qty 6+ €26,50	3-4 days
75.00	-	3.30	Uncoated	#29-394	€34,25 Qty 6+ €27,50	3-4 days
75.00	-	6.50	Uncoated	#43-894	€34,25 Qty 6+ €27,50	In Stock
-	75.00 x 75.00	6.50	NIR (700-1150nm)	#12-195	€80,00 Qty 6+ €64,00	Contact Us
100.00	-	3.30	Uncoated	#29-395	€43,25 Qty 6+ €34,50	3-4 days

100.00	-	6.50	Uncoated	#43-895	€43,25 Qty 6+ €34,50	3-4 days
-	100.00 x 100.00	6.50	NIR (700- 1150nm)	#12-196	€121,00 Qty 6+ €97,00	3-4 days
125.00	-	6.50	Uncoated	#45-685	€53,50 Qty 6+ €43,00	In Stock
150.00	-	6.50	Uncoated	#43-896	€59,50 Qty 6+ €47,50	3-4 days
 Edmund optics worldwide				#45-686	€85,50 Qty 6+ €68,00	3-4 days

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