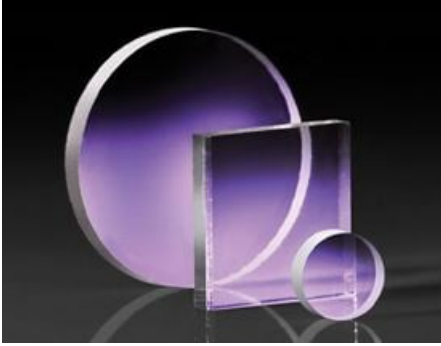


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TECHSPEC® BOROFLOAT® Borosilicate Windows See More by [SCHOTT](#)
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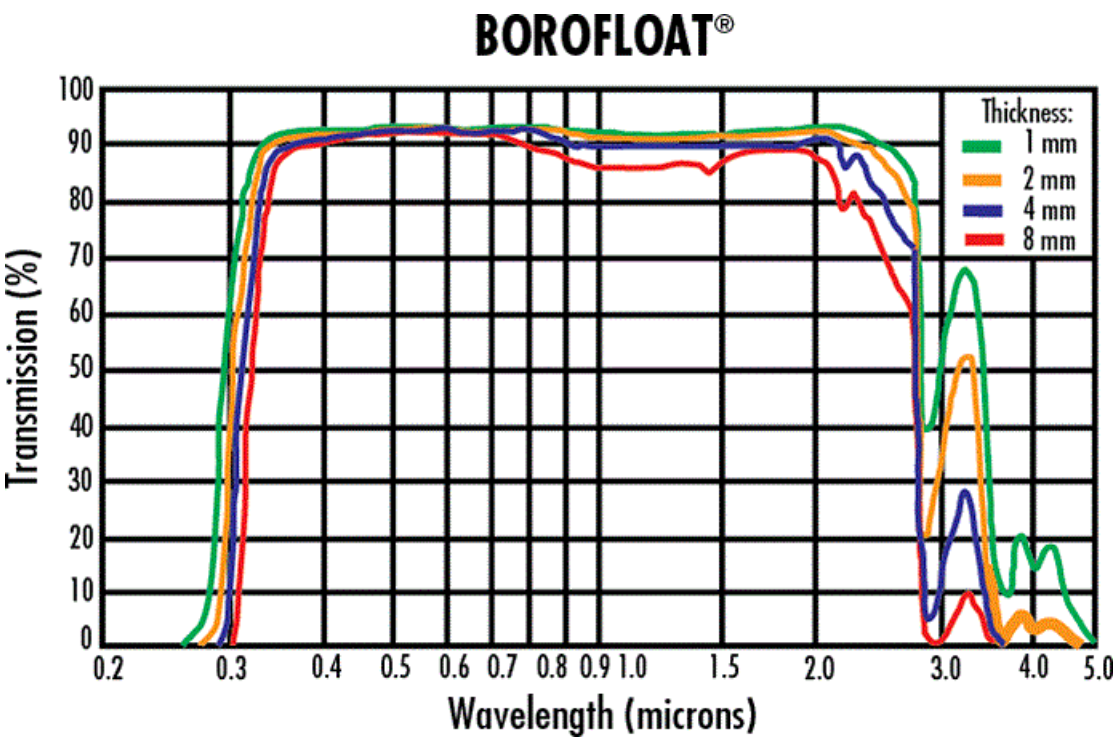


- Low Coefficient of Thermal Expansion
- Visible to Near Infrared Transmission
- High Resistance to Thermal Shock

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	≥90
Knoop Hardness (kg/mm ²):	480.00	Poisson's Ratio:	0.20
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	S\$35.35 Volume Pricing	20+ In Stock
5.00	-	1.10	MgF ₂ (400-700nm)	#29-396	S\$44.10 Volume Pricing	20+ In Stock
5.00	-	1.75	Uncoated	#43-888	S\$35.35 Volume Pricing	20+ In Stock
5.00	-	1.75	MgF ₂ (400-700nm)	#83-369	S\$44.10 Volume Pricing	9 In Stock
5.00	-	1.75	NIR (700-1150nm)	#12-184	S\$54.25 Volume Pricing	14 In Stock
10.00	-	1.10	Uncoated	#39-271	S\$35.35 Volume Pricing	20+ In Stock
10.00	-	1.10	MgF ₂ (400-700nm)	#29-397	S\$44.10 Volume Pricing	12 In Stock
10.00	-	1.75	Uncoated	#43-889	S\$35.35 Volume Pricing	20+ In Stock
10.00	-	1.75	MgF ₂ (400-700nm)	#83-370	S\$44.10 Volume Pricing	20+ In Stock
10.00	-	1.75	NIR (700-1150nm)	#12-185	S\$54.25 Volume Pricing	20+ In Stock
-	10.00 x 10.00	1.10	Uncoated	#29-385	S\$35.35 Volume Pricing	20+ In Stock
-	10.00 x 10.00	1.10	MgF ₂ (400-700nm)	#29-398	S\$44.10 Volume Pricing	13 In Stock
-	10.00 x 10.00	1.75	Uncoated	#48-541	S\$35.35 Volume Pricing	Contact Us
-	10.00 x 10.00	1.75	MgF ₂ (400-700nm)	#83-371	S\$44.10 Volume Pricing	2 In Stock
-	10.00 x 10.00	1.75	NIR (700-1150nm)	#12-186	S\$54.25 Volume Pricing	20+ In Stock
12.50	-	1.10	Uncoated	#39-272	S\$35.35 Volume Pricing	6 In Stock

12.50	-	1.10	MgF ₂ (400-700nm)	#29-399	S\$44.10 Volume Pricing	15 In Stock
12.50	-	1.75	Uncoated	#43-890	S\$35.35 Volume Pricing	20+ In Stock
12.50	-	1.75	MgF ₂ (400-700nm)	#83-372	S\$44.10 Volume Pricing	Contact Us
12.50	-	1.75	NIR (700-1150nm)	#12-187	S\$54.25 Volume Pricing	20+ In Stock
15.00	-	1.10	Uncoated	#29-386	S\$35.35 Volume Pricing	20+ In Stock
15.00	-	1.10	MgF ₂ (400-700nm)	#29-400	S\$44.10 Volume Pricing	3 In Stock
15.00	-	1.75	Uncoated	#43-891	S\$35.35 Volume Pricing	13 In Stock
15.00	-	1.75	MgF ₂ (400-700nm)	#83-373	S\$44.10 Volume Pricing	Contact Us
15.00	-	1.75	NIR (700-1150nm)	#12-188	S\$54.25 Volume Pricing	2 In Stock
20.00	-	1.10	Uncoated	#29-387	S\$39.20 Volume Pricing	17 In Stock
20.00	-	1.10	MgF ₂ (400-700nm)	#29-401	S\$48.30 Volume Pricing	13 In Stock
20.00	-	3.30	Uncoated	#45-461	S\$39.20 Volume Pricing	20+ In Stock
20.00	-	3.30	MgF ₂ (400-700nm)	#83-374	S\$48.30 Volume Pricing	20+ In Stock
20.00	-	3.30	NIR (700-1150nm)	#12-189	S\$66.85 Volume Pricing	8 In Stock
25.00	-	1.10	Uncoated	#39-273	S\$39.20 Volume Pricing	20+ In Stock
25.00	-	1.10	MgF ₂ (400-700nm)	#29-402	S\$48.30 Volume Pricing	5 In Stock
25.00	-	3.30	Uncoated	#43-892	S\$39.20 Volume Pricing	20+ In Stock
25.00	-	3.30	MgF ₂ (400-700nm)	#83-375	S\$48.30 Volume Pricing	20+ In Stock
25.00	-	3.30	NIR (700-1150nm)	#12-190	S\$66.85 Volume Pricing	6 In Stock

-	25.00 x 25.00	1.10	Uncoated	#29-388	S\$39.20 Volume Pricing	10 In Stock
-	25.00 x 25.00	1.10	MgF2 (400-700nm)	#29-403	S\$48.30 Volume Pricing	2 In Stock
-	25.00 x 25.00	3.30	Uncoated	#48-542	S\$39.20 Volume Pricing	Contact Us
-	25.00 x 25.00	3.30	MgF2 (400-700nm)	#83-376	S\$48.30 Volume Pricing	11 In Stock
-	25.00 x 25.00	3.30	NIR (700-1150nm)	#12-191	S\$66.85 Volume Pricing	7 In Stock
30.00	-	1.10	Uncoated	#29-389	S\$47.95 Volume Pricing	20+ In Stock
30.00	-	1.10	MgF2 (400-700nm)	#29-404	S\$66.50 Volume Pricing	20+ In Stock
30.00	-	3.30	Uncoated	#45-462	S\$47.95 Volume Pricing	20+ In Stock
30.00	-	3.30	MgF2 (400-700nm)	#83-377	S\$66.50 Volume Pricing	20+ In Stock
30.00	-	3.30	NIR (700-1150nm)	#12-192	S\$83.30 Volume Pricing	4 In Stock
40.00	-	1.10	MgF2 (400-700nm)	#29-405	S\$66.50 Volume Pricing	12 In Stock
40.00	-	3.30	MgF2 (400-700nm)	#29-406	S\$66.50 Volume Pricing	14 In Stock
40.00	-	1.10	Uncoated	#29-390	S\$47.95 Volume Pricing	14 In Stock
40.00	-	3.30	Uncoated	#29-391	S\$47.95 Volume Pricing	20+ In Stock
50.00	-	1.10	Uncoated	#39-274	S\$47.95 Volume Pricing	14 In Stock
50.00	-	1.10	MgF2 (400-700nm)	#29-407	S\$66.50 Volume Pricing	10 In Stock
50.00	-	3.30	Uncoated	#43-893	S\$47.95 Volume Pricing	20+ In Stock
50.00	-	3.30	MgF2 (400-700nm)	#83-378	S\$66.50 Volume Pricing	20+ In Stock
50.00	-	3.30	NIR (700-1150nm)	#12-193	S\$83.30 Volume Pricing	20+ In Stock

-	50.00 x 50.00	1.10	Uncoated	#29-392	S\$47.95 Volume Pricing	20+ In Stock
-	50.00 x 50.00	1.10	MgF ₂ (400-700nm)	#29-408	S\$66.50 Volume Pricing	13 In Stock
-	50.00 x 50.00	3.30	Uncoated	#48-543	S\$47.95 Volume Pricing	6 In Stock
-	50.00 x 50.00	3.30	MgF ₂ (400-700nm)	#83-912	S\$66.50 Volume Pricing	Contact Us
-	50.00 x 50.00	3.30	NIR (700-1150nm)	#12-194	S\$83.30 Volume Pricing	11 In Stock
60.00	-	3.30	Uncoated	#29-393	S\$51.10 Volume Pricing	5 In Stock
75.00	-	3.30	Uncoated	#29-394	S\$52.50 Volume Pricing	20+ In Stock
75.00	-	6.50	Uncoated	#43-894	S\$52.50 Volume Pricing	20+ In Stock
-	75.00 x 75.00	6.50	NIR (700-1150nm)	#12-195	S\$123.20 Volume Pricing	16 In Stock
100.00	-	3.30	Uncoated	#29-395	S\$66.50 Volume Pricing	Contact Us
100.00	-	6.50	Uncoated	#43-895	S\$66.50 Volume Pricing	Contact Us
-	100.00 x 100.00	6.50	NIR (700-1150nm)	#12-196	S\$186.20 Volume Pricing	10 In Stock
125.00	-	6.50	Uncoated	#45-685	S\$81.90 Volume Pricing	20+ In Stock
150.00	-	6.50	Uncoated	#43-896	S\$91.70 Volume Pricing	8 In Stock
200.00	-	6.50	Uncoated	#45-686	S\$131.60 Volume Pricing	12 In Stock



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