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TECHSPEC® B270 Windows See More by [SCHOTT Optical Components](#)


- Large Selection of Sizes
- Available Uncoated, MgF2, or VIS-NIR Anti-Reflection (AR) Coated
- Custom Sizes Available for Volume OEM Requirements

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Edges:	Fine Ground
Knoop Hardness (kg/mm²):	500.00	Poisson's Ratio:	0.22
Young's Modulus (GPa):	71.5		

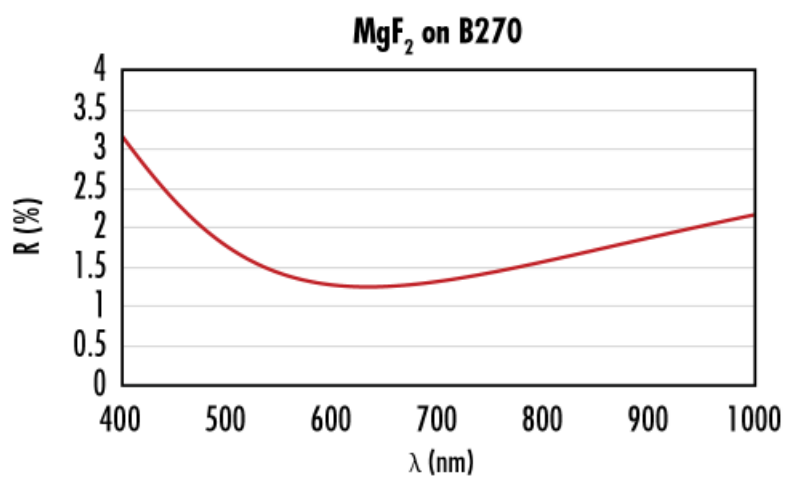
Optical Properties

Abbe Number (v_d):	58.3		
Index of Refraction (n_d):	1.523	Substrate:	B270
Surface Quality:	60-40		

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	9.4 (+20 to +300°C)
Density (g/cm³):	2.56

Technical Information



Products

Dia. (mm)	Dimensions (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	-	1.00	Uncoated	#45-635	€31,42 Volume Pricing	20+ In Stock
5.00	-	1.00	MgF ₂ (632.8nm)	#32-946	€37,34 Volume Pricing	20+ In Stock
5.00	-	1.00	VIS-NIR (400-1000nm)	#26-571	€49,70 Volume Pricing	Contact Us
-	5.00 x 5.00	1.00	Uncoated	#64-083	€31,42 Volume Pricing	20+ In Stock
-	5.00 x 5.00	1.00	MgF ₂ (632.8nm)	#64-088	€37,34 Volume Pricing	20+ In Stock
10.00	-	1.00	Uncoated	#45-636	€31,42 Volume Pricing	20+ In Stock
10.00	-	1.00	MgF ₂ (632.8nm)	#32-947	€37,34 Volume Pricing	3 In Stock
10.00	-	1.00	VIS-NIR (400-1000nm)	#26-572	€49,70 Volume Pricing	Contact Us
-	10.00 x 10.00	1.00	Uncoated	#64-084	€31,42 Volume Pricing	20+ In Stock
-	10.00 x 10.00	1.00	MgF ₂ (632.8nm)	#64-089	€37,34 Volume Pricing	14 In Stock
12.50	-	1.00	Uncoated	#17-163	€32,96 Volume Pricing	12 In Stock
12.50	-	2.00	Uncoated	#45-637	€32,96 Volume Pricing	20+ In Stock
12.50	-	1.00	MgF ₂ (632.8nm)	#17-173	€38,88 Volume Pricing	8 In Stock
12.50	-	2.00	MgF ₂ (632.8nm)	#32-948	€38,88 Volume Pricing	20+ In Stock
12.50	-	2.00	VIS-NIR (400-1000nm)	#26-574	€50,73 Volume Pricing	2 In Stock

-	12.50 x 12.50	2.00	Uncoated	#64-085	€32,96 Volume Pricing	20+ In Stock
-	12.50 x 12.50	2.00	MgF ₂ (632.8nm)	#45-182	€38,88 Volume Pricing	Contact Us
15.00	-	2.00	Uncoated	#45-638	€32,96 Volume Pricing	20+ In Stock
15.00	-	2.00	MgF ₂ (632.8nm)	#32-949	€38,88 Volume Pricing	20+ In Stock
15.00	-	2.00	VIS-NIR (400-1000nm)	#26-575	€50,73 Volume Pricing	20+ In Stock
-	15.00 x 15.00	2.00	Uncoated	#64-086	€32,96 Volume Pricing	7 In Stock
-	15.00 x 15.00	2.00	MgF ₂ (632.8nm)	#64-090	€38,88 Volume Pricing	20+ In Stock
20.00	-	1.00	Uncoated	#17-164	€34,51 Volume Pricing	20+ In Stock
20.00	-	2.00	Uncoated	#45-639	€34,51 Volume Pricing	20+ In Stock
20.00	-	1.00	MgF ₂ (632.8nm)	#17-174	€40,69 Volume Pricing	20+ In Stock
20.00	-	2.00	MgF ₂ (632.8nm)	#32-950	€40,69 Volume Pricing	20+ In Stock
20.00	-	2.00	VIS-NIR (400-1000nm)	#26-577	€52,53 Volume Pricing	6 In Stock
-	20.00 x 20.00	2.00	Uncoated	#64-087	€34,51 Volume Pricing	6 In Stock
-	20.00 x 20.00	2.00	MgF ₂ (632.8nm)	#64-091	€40,69 Volume Pricing	20+ In Stock
25.00	-	1.00	Uncoated	#17-165	€37,85 Volume Pricing	5 In Stock
25.00	-	2.00	Uncoated	#45-640	€37,85 Volume Pricing	20+ In Stock
25.00	-	1.00	MgF ₂ (632.8nm)	#17-175	€43,78 Volume Pricing	10 In Stock
25.00	-	2.00	MgF ₂ (632.8nm)	#32-951	€43,78 Volume Pricing	20+ In Stock

25.00	-	2.00	VIS-NIR (400-1000nm)	#26-579	€55,62 Volume Pricing	20+ In Stock
-	25.00 x 25.00	2.00	Uncoated	#48-538	€37,85 Volume Pricing	20+ In Stock
-	25.00 x 25.00	2.00	MgF ₂ (632.8nm)	#45-183	€43,78 Volume Pricing	20+ In Stock
30.00	-	2.00	Uncoated	#45-641	€40,69 Volume Pricing	10 In Stock
30.00	-	1.00	Uncoated	#17-166	€40,69 Volume Pricing	20+ In Stock
30.00	-	1.00	MgF ₂ (632.8nm)	#17-176	€49,70 Volume Pricing	6 In Stock
30.00	-	2.00	MgF ₂ (632.8nm)	#45-254	€49,70 Volume Pricing	20+ In Stock
30.00	-	2.00	VIS-NIR (400-1000nm)	#26-581	€72,10 Volume Pricing	6 In Stock
35.00	-	2.00	Uncoated	#45-642	€44,29 Volume Pricing	20+ In Stock
35.00	-	2.00	MgF ₂ (632.8nm)	#45-255	€53,56 Volume Pricing	20+ In Stock
35.00	-	2.00	VIS-NIR (400-1000nm)	#26-582	€75,71 Volume Pricing	3 In Stock
40.00	-	1.00	Uncoated	#17-167	€56,14 Volume Pricing	20+ In Stock
40.00	-	3.00	Uncoated	#45-643	€56,14 Volume Pricing	20+ In Stock
40.00	-	1.00	MgF ₂ (632.8nm)	#17-177	€65,41 Volume Pricing	2 In Stock
40.00	-	3.00	MgF ₂ (632.8nm)	#45-571	€65,41 Volume Pricing	20+ In Stock
40.00	-	3.00	VIS-NIR (400-1000nm)	#26-584	€87,55 Volume Pricing	6 In Stock
50.00	-	1.00	Uncoated	#17-168	€62,83 Volume Pricing	20+ In Stock
50.00	-	3.00	Uncoated	#45-644	€62,83 Volume Pricing	20+ In Stock

50.00	-	1.00	MgF ₂ (632.8nm)	#17-178	€75,71 Volume Pricing	14 In Stock
50.00	-	3.00	MgF ₂ (632.8nm)	#45-572	€75,71 Volume Pricing	20+ In Stock
50.00	-	3.00	VIS-NIR (400-1000nm)	#26-586	€96,82 Volume Pricing	Contact Us
-	50.00 x 50.00	3.00	Uncoated	#48-413	€62,83 Volume Pricing	20+ In Stock
-	50.00 x 50.00	3.00	MgF ₂ (632.8nm)	#48-418	€75,71 Volume Pricing	20+ In Stock
75.00	-	3.00	Uncoated	#48-414	€103,00 Volume Pricing	20+ In Stock
75.00	-	3.00	MgF ₂ (632.8nm)	#48-419	€122,57 Volume Pricing	Contact Us
-	75.00 x 75.00	3.00	MgF ₂ (632.8nm)	#48-420	€122,57 Volume Pricing	20+ In Stock
-	75.00 x 75.00	3.00	Uncoated	#48-415	€103,00 Volume Pricing	20+ In Stock
100.00	-	3.00	Uncoated	#17-169	€148,32 Volume Pricing	10 In Stock
100.00	-	3.00	MgF ₂ (632.8nm)	#17-179	€219,39 Volume Pricing	Contact Us
125.00	-	4.00	Uncoated	#17-170	€197,76 Volume Pricing	10 In Stock
125.00	-	4.00	MgF ₂ (632.8nm)	#17-180	€278,10 Volume Pricing	5 In Stock
150.00	-	4.00	Uncoated	#17-171	€246,17 Volume Pricing	10 In Stock
150.00	-	4.00	MgF ₂ (632.8nm)	#17-181	€357,41 Volume Pricing	1 In Stock
200.00	-	4.00	Uncoated	#17-172	€351,23 Volume Pricing	1 In Stock
200.00	-	4.00	MgF ₂ (632.8nm)	#17-182	€556,20 Volume Pricing	Contact Us



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Phone: 1-800-363-1992 :

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