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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		

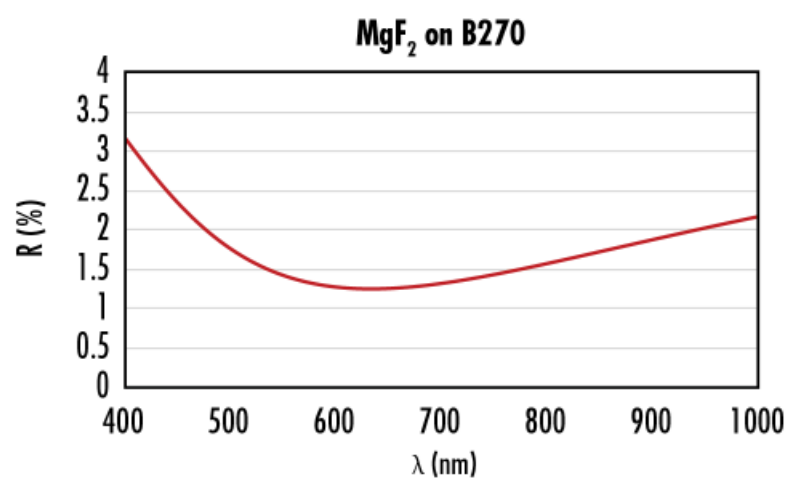
Optical Properties

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	A\$50.26 Volume Pricing	20+ In Stock
5.00	-	1.00	MgF ₂ (632.8nm)	#32-946	A\$59.74 Volume Pricing	20+ In Stock
5.00	-	1.00	VIS-NIR (400-1000nm)	#26-571	A\$79.52 Volume Pricing	Contact Us
-	5.00 x 5.00	1.00	Uncoated	#64-083	A\$50.26 Volume Pricing	20+ In Stock
-	5.00 x 5.00	1.00	MgF ₂ (632.8nm)	#64-088	A\$59.74 Volume Pricing	20+ In Stock
10.00	-	1.00	Uncoated	#45-636	A\$50.26 Volume Pricing	20+ In Stock
10.00	-	1.00	MgF ₂ (632.8nm)	#32-947	A\$59.74 Volume Pricing	Contact Us
10.00	-	1.00	VIS-NIR (400-1000nm)	#26-572	A\$79.52 Volume Pricing	Contact Us
-	10.00 x 10.00	1.00	Uncoated	#64-084	A\$50.26 Volume Pricing	20+ In Stock
-	10.00 x 10.00	1.00	MgF ₂ (632.8nm)	#64-089	A\$59.74 Volume Pricing	14 In Stock
12.50	-	1.00	Uncoated	#17-163	A\$52.74 Volume Pricing	12 In Stock
12.50	-	2.00	Uncoated	#45-637	A\$52.74 Volume Pricing	20+ In Stock
12.50	-	1.00	MgF ₂ (632.8nm)	#17-173	A\$62.21 Volume Pricing	8 In Stock
12.50	-	2.00	MgF ₂ (632.8nm)	#32-948	A\$62.21 Volume Pricing	20+ In Stock
12.50	-	2.00	VIS-NIR (400-1000nm)	#26-574	A\$81.16 Volume Pricing	2 In Stock

-	12.50 x 12.50	2.00	Uncoated	#64-085	A\$52.74 Volume Pricing	20+ In Stock
-	12.50 x 12.50	2.00	MgF ₂ (632.8nm)	#45-182	A\$62.21 Volume Pricing	Contact Us
15.00	-	2.00	Uncoated	#45-638	A\$52.74 Volume Pricing	20+ In Stock
15.00	-	2.00	MgF ₂ (632.8nm)	#32-949	A\$62.21 Volume Pricing	20+ In Stock
15.00	-	2.00	VIS-NIR (400-1000nm)	#26-575	A\$81.16 Volume Pricing	20+ In Stock
-	15.00 x 15.00	2.00	Uncoated	#64-086	A\$52.74 Volume Pricing	7 In Stock
-	15.00 x 15.00	2.00	MgF ₂ (632.8nm)	#64-090	A\$62.21 Volume Pricing	20+ In Stock
20.00	-	1.00	Uncoated	#17-164	A\$55.21 Volume Pricing	20+ In Stock
20.00	-	2.00	Uncoated	#45-639	A\$55.21 Volume Pricing	20+ In Stock
20.00	-	1.00	MgF ₂ (632.8nm)	#17-174	A\$65.10 Volume Pricing	20+ In Stock
20.00	-	2.00	MgF ₂ (632.8nm)	#32-950	A\$65.10 Volume Pricing	20+ In Stock
20.00	-	2.00	VIS-NIR (400-1000nm)	#26-577	A\$84.05 Volume Pricing	5 In Stock
-	20.00 x 20.00	2.00	Uncoated	#64-087	A\$55.21 Volume Pricing	6 In Stock
-	20.00 x 20.00	2.00	MgF ₂ (632.8nm)	#64-091	A\$65.10 Volume Pricing	20+ In Stock
25.00	-	1.00	Uncoated	#17-165	A\$60.56 Volume Pricing	Contact Us
25.00	-	2.00	Uncoated	#45-640	A\$60.56 Volume Pricing	20+ In Stock
25.00	-	1.00	MgF ₂ (632.8nm)	#17-175	A\$70.04 Volume Pricing	10 In Stock
25.00	-	2.00	MgF ₂ (632.8nm)	#32-951	A\$70.04 Volume Pricing	20+ In Stock

25.00	-	2.00	VIS-NIR (400-1000nm)	#26-579	A\$88.99 Volume Pricing	20+ In Stock
-	25.00 x 25.00	2.00	Uncoated	#48-538	A\$60.56 Volume Pricing	20+ In Stock
-	25.00 x 25.00	2.00	MgF ₂ (632.8nm)	#45-183	A\$70.04 Volume Pricing	20+ In Stock
30.00	-	2.00	Uncoated	#45-641	A\$65.10 Volume Pricing	10 In Stock
30.00	-	1.00	Uncoated	#17-166	A\$65.10 Volume Pricing	20+ In Stock
30.00	-	1.00	MgF ₂ (632.8nm)	#17-176	A\$79.52 Volume Pricing	6 In Stock
30.00	-	2.00	MgF ₂ (632.8nm)	#45-254	A\$79.52 Volume Pricing	20+ In Stock
30.00	-	2.00	VIS-NIR (400-1000nm)	#26-581	A\$115.36 Volume Pricing	6 In Stock
35.00	-	2.00	Uncoated	#45-642	A\$70.86 Volume Pricing	20+ In Stock
35.00	-	2.00	MgF ₂ (632.8nm)	#45-255	A\$85.70 Volume Pricing	20+ In Stock
35.00	-	2.00	VIS-NIR (400-1000nm)	#26-582	A\$121.13 Volume Pricing	3 In Stock
40.00	-	1.00	Uncoated	#17-167	A\$89.82 Volume Pricing	20+ In Stock
40.00	-	3.00	Uncoated	#45-643	A\$89.82 Volume Pricing	20+ In Stock
40.00	-	1.00	MgF ₂ (632.8nm)	#17-177	A\$104.65 Volume Pricing	2 In Stock
40.00	-	3.00	MgF ₂ (632.8nm)	#45-571	A\$104.65 Volume Pricing	20+ In Stock
40.00	-	3.00	VIS-NIR (400-1000nm)	#26-584	A\$140.08 Volume Pricing	6 In Stock
50.00	-	1.00	Uncoated	#17-168	A\$100.53 Volume Pricing	20+ In Stock
50.00	-	3.00	Uncoated	#45-644	A\$100.53 Volume Pricing	20+ In Stock

50.00	-	1.00	MgF ₂ (632.8nm)	#17-178	A\$121.13 Volume Pricing	14 In Stock
50.00	-	3.00	MgF ₂ (632.8nm)	#45-572	A\$121.13 Volume Pricing	20+ In Stock
50.00	-	3.00	VIS-NIR (400-1000nm)	#26-586	A\$154.91 Volume Pricing	Contact Us
-	50.00 x 50.00	3.00	Uncoated	#48-413	A\$100.53 Volume Pricing	20+ In Stock
-	50.00 x 50.00	3.00	MgF ₂ (632.8nm)	#48-418	A\$121.13 Volume Pricing	20+ In Stock
75.00	-	3.00	Uncoated	#48-414	A\$164.80 Volume Pricing	20+ In Stock
75.00	-	3.00	MgF ₂ (632.8nm)	#48-419	A\$196.11 Volume Pricing	Contact Us
-	75.00 x 75.00	3.00	MgF ₂ (632.8nm)	#48-420	A\$196.11 Volume Pricing	15 In Stock
-	75.00 x 75.00	3.00	Uncoated	#48-415	A\$164.80 Volume Pricing	20+ In Stock
100.00	-	3.00	Uncoated	#17-169	A\$237.31 Volume Pricing	10 In Stock
100.00	-	3.00	MgF ₂ (632.8nm)	#17-179	A\$351.02 Volume Pricing	Contact Us
125.00	-	4.00	Uncoated	#17-170	A\$316.42 Volume Pricing	10 In Stock
125.00	-	4.00	MgF ₂ (632.8nm)	#17-180	A\$444.96 Volume Pricing	5 In Stock
150.00	-	4.00	Uncoated	#17-171	A\$393.87 Volume Pricing	10 In Stock
150.00	-	4.00	MgF ₂ (632.8nm)	#17-181	A\$571.86 Volume Pricing	1 In Stock
200.00	-	4.00	Uncoated	#17-172	A\$561.97 Volume Pricing	1 In Stock
200.00	-	4.00	MgF ₂ (632.8nm)	#17-182	A\$889.92 Volume Pricing	Contact Us



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