

[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)
TECHSPEC® Zinc Selenide (ZnSe) Windows


- Low Dispersion
- Available Uncoated or AR Coated
- Ideal for Thermal Imaging, FLIR, and Medical Systems

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	90
Edges:	Fine Ground	Knoop Hardness (kg/mm²):	120.00
Poisson's Ratio:	0.28		

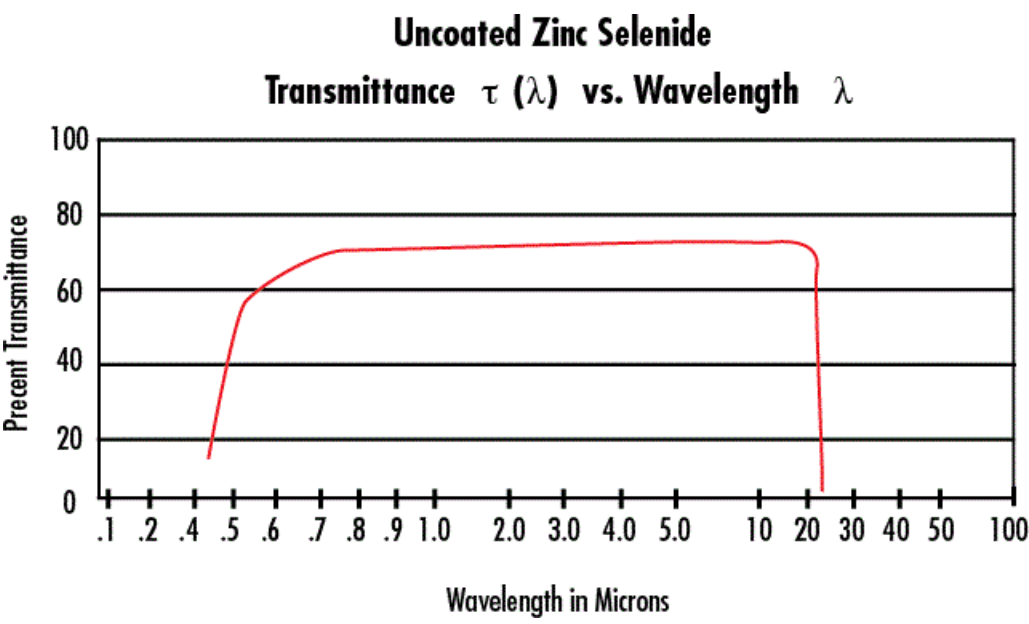
Optical Properties

Index of Refraction (n_d):	2.631		
Substrate:	Zinc Selenide (ZnSe)	Surface Flatness (P-V):	λ/10 @ 10.6μm

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	7.57	Density (g/cm³):	5.27
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Technical Information



Products

Dia. (mm)	Dimensions (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	-	1.00	Uncoated	#20-164	€160,68 Volume Pricing	17 In Stock
5.00	-	1.00	BBAR (1650-3000nm)	#24-327	€201,88 Volume Pricing	5 In Stock
10.00	-	1.50	Uncoated	#68-490	€199,82 Volume Pricing	3 In Stock
10.00	-	1.50	BBAR (1650-3000nm)	#24-328	€241,02 Volume Pricing	2 In Stock
10.00	-	1.50	BBAR (3000-12000nm)	#47-936	€272,95 Volume Pricing	Contact Us
10.00	-	1.50	BBAR (8000-12000nm)	#68-498	€272,95 Volume Pricing	20+ In Stock
12.50	-	1.00	Uncoated	#68-506	€215,27 Volume Pricing	20+ In Stock
12.50	-	1.00	BBAR (1650-3000nm)	#24-329	€256,47 Volume Pricing	5 In Stock
12.50	-	1.00	BBAR (3000-12000nm)	#68-511	€292,52 Volume Pricing	20+ In Stock
12.50	-	1.00	BBAR (8000-12000nm)	#68-516	€292,52 Volume Pricing	20+ In Stock
12.50	-	2.00	Uncoated	#68-491	€215,27 Volume Pricing	20+ In Stock
12.50	-	2.00	BBAR (1650-3000nm)	#24-330	€256,47 Volume Pricing	8 In Stock
12.50	-	2.00	BBAR (3000-12000nm)	#47-937	€292,52 Volume Pricing	14 In Stock

12.50	-	2.00	BBAR (8000-12000nm)	#68-499	€292,52 Volume Pricing	5 In Stock
12.70	-	1.00	Uncoated	#39-391	€215,27 Volume Pricing	5 In Stock
12.70	-	1.00	BBAR (1650-3000nm)	#24-331	€256,47 Volume Pricing	6 In Stock
12.70	-	1.00	BBAR (3000-12000nm)	#39-405	€292,52 Volume Pricing	9 In Stock
12.70	-	1.00	BBAR (8000-12000nm)	#39-419	€292,52 Volume Pricing	Contact Us
12.70	-	2.00	Uncoated	#39-392	€215,27 Volume Pricing	17 In Stock
12.70	-	2.00	BBAR (1650-3000nm)	#24-332	€256,47 Volume Pricing	5 In Stock
12.70	-	2.00	BBAR (3000-12000nm)	#39-406	€292,52 Volume Pricing	9 In Stock
12.70	-	2.00	BBAR (8000-12000nm)	#39-420	€292,52 Volume Pricing	8 In Stock
20.00	-	2.00	Uncoated	#68-492	€243,08 Volume Pricing	20+ In Stock
20.00	-	2.00	BBAR (1650-3000nm)	#24-333	€283,25 Volume Pricing	4 In Stock
20.00	-	2.00	BBAR (3000-12000nm)	#63-210	€327,54 Volume Pricing	14 In Stock
20.00	-	2.00	BBAR (8000-12000nm)	#68-500	€327,54 Volume Pricing	6 In Stock
25.00	-	1.00	Uncoated	#68-507	€251,32 Volume Pricing	Contact Us
25.00	-	1.00	BBAR (1650-3000nm)	#24-334	€292,52 Volume Pricing	4 In Stock

25.00	-	1.00	BBAR (3000-12000nm)	#68-512	€390,37 Volume Pricing	5 In Stock
25.00	-	1.00	BBAR (8000-12000nm)	#68-517	€390,37 Volume Pricing	5 In Stock
25.00	-	2.00	Uncoated	#68-508	€262,65 Volume Pricing	20+ In Stock
25.00	-	2.00	BBAR (1650-3000nm)	#24-335	€303,85 Volume Pricing	2 In Stock
25.00	-	2.00	BBAR (3000-12000nm)	#68-513	€409,94 Volume Pricing	6 In Stock
25.00	-	2.00	BBAR (8000-12000nm)	#68-518	€409,94 Volume Pricing	7 In Stock
25.00	-	3.00	Uncoated	#68-493	€281,19 Volume Pricing	8 In Stock
-	25.00 x 25.00	3.00	Uncoated	#27-500	€267,80 Volume Pricing	5 In Stock
25.00	-	3.00	BBAR (1650-3000nm)	#24-336	€322,39 Volume Pricing	8 In Stock
25.00	-	3.00	BBAR (3000-12000nm)	#47-938	€428,48 Volume Pricing	5 In Stock
25.00	-	3.00	BBAR (8000-12000nm)	#68-501	€428,48 Volume Pricing	5 In Stock
25.00	-	5.00	Uncoated	#39-393	€332,69 Volume Pricing	Contact Us
25.00	-	5.00	BBAR (1650-3000nm)	#24-337	€373,89 Volume Pricing	1 In Stock
25.00	-	5.00	BBAR (3000-12000nm)	#39-407	€481,01 Volume Pricing	9 In Stock
25.00	-	5.00	BBAR (8000-12000nm)	#39-421	€481,01 Volume Pricing	7 In Stock

25.40	-	1.00	Uncoated	#39-394	€243,08 Volume Pricing	7 In Stock
25.40	-	1.00	BBAR (1650-3000nm)	#24-338	€283,25 Volume Pricing	5 In Stock
25.40	-	1.00	BBAR (3000-12000nm)	#39-408	€390,37 Volume Pricing	5 In Stock
25.40	-	1.00	BBAR (8000-12000nm)	#39-424	€390,37 Volume Pricing	14 In Stock
25.40	-	2.00	Uncoated	#39-396	€262,65 Volume Pricing	6 In Stock
25.40	-	2.00	BBAR (1650-3000nm)	#24-339	€303,85 Volume Pricing	Contact Us
25.40	-	2.00	BBAR (3000-12000nm)	#39-409	€409,94 Volume Pricing	10 In Stock
25.40	-	2.00	BBAR (8000-12000nm)	#39-434	€409,94 Volume Pricing	7 In Stock
25.40	-	3.00	Uncoated	#39-397	€281,19 Volume Pricing	10 In Stock
25.40	-	3.00	BBAR (1650-3000nm)	#24-340	€322,39 Volume Pricing	4 In Stock
25.40	-	3.00	BBAR (3000-12000nm)	#39-410	€428,48 Volume Pricing	9 In Stock
25.40	-	3.00	BBAR (8000-12000nm)	#39-436	€428,48 Volume Pricing	5 In Stock
25.40	-	5.00	Uncoated	#39-398	€332,69 Volume Pricing	7 In Stock
25.40	-	5.00	BBAR (1650-3000nm)	#24-341	€373,89 Volume Pricing	Contact Us
25.40	-	5.00	BBAR (3000-12000nm)	#39-411	€481,01 Volume Pricing	9 In Stock

25.40	-	5.00	BBAR (8000-12000nm)	#39-437	€481,01 Volume Pricing	Contact Us
30.00	-	3.00	Uncoated	#68-494	€483,07 Volume Pricing	14 In Stock
30.00	-	3.00	BBAR (1650-3000nm)	#24-342	€566,50 Volume Pricing	5 In Stock
30.00	-	3.00	BBAR (3000-12000nm)	#63-211	€638,60 Volume Pricing	Contact Us
30.00	-	3.00	BBAR (8000-12000nm)	#68-502	€638,60 Volume Pricing	9 In Stock
40.00	-	4.00	Uncoated	#68-495	€607,70 Volume Pricing	11 In Stock
40.00	-	4.00	BBAR (1650-3000nm)	#24-343	€695,25 Volume Pricing	2 In Stock
40.00	-	4.00	BBAR (3000-12000nm)	#63-212	€777,65 Volume Pricing	5 In Stock
40.00	-	4.00	BBAR (8000-12000nm)	#68-503	€777,65 Volume Pricing	7 In Stock
50.00	-	1.00	Uncoated	#68-509	€587,10 Volume Pricing	20+ In Stock
50.00	-	1.00	BBAR (1650-3000nm)	#24-344	€674,65 Volume Pricing	4 In Stock
50.00	-	1.00	BBAR (3000-12000nm)	#68-514	€829,15 Volume Pricing	5 In Stock
50.00	-	1.00	BBAR (8000-12000nm)	#68-519	€829,15 Volume Pricing	1 In Stock
50.00	-	2.00	Uncoated	#68-510	€607,70 Volume Pricing	Contact Us
50.00	-	2.00	BBAR (1650-3000nm)	#24-345	€695,25 Volume Pricing	2 In Stock

50.00	-	2.00	BBAR (3000-12000nm)	#68-515	€849,75 Volume Pricing	5 In Stock
50.00	-	2.00	BBAR (8000-12000nm)	#68-520	€849,75 Volume Pricing	3 In Stock
50.00	-	3.00	Uncoated	#68-496	€690,10 Volume Pricing	11 In Stock
-	50.00 x 50.00	3.00	Uncoated	#27-537	€659,20 Volume Pricing	3 In Stock
50.00	-	3.00	BBAR (1650-3000nm)	#24-346	€767,35 Volume Pricing	5 In Stock
50.00	-	3.00	BBAR (3000-12000nm)	#47-939	€927,00 Volume Pricing	Contact Us
50.00	-	3.00	BBAR (8000-12000nm)	#68-504	€927,00 Volume Pricing	4 In Stock
50.00	-	5.00	Uncoated	#39-399	€839,45 Volume Pricing	7 In Stock
50.00	-	5.00	BBAR (1650-3000nm)	#24-347	€921,85 Volume Pricing	3 In Stock
50.00	-	5.00	BBAR (3000-12000nm)	#39-412	€1.076,35 Volume Pricing	13 In Stock
50.00	-	5.00	BBAR (8000-12000nm)	#39-438	€1.076,35 Volume Pricing	7 In Stock
50.80	-	1.00	Uncoated	#39-400	€587,10 Volume Pricing	10 In Stock
50.80	-	1.00	BBAR (1650-3000nm)	#24-348	€674,65 Volume Pricing	6 In Stock
50.80	-	1.00	BBAR (3000-12000nm)	#39-413	€829,15 Volume Pricing	4 In Stock
50.80	-	1.00	BBAR (8000-12000nm)	#39-440	€829,15 Volume Pricing	Contact Us

50.80	-	2.00	Uncoated	#39-401	€607,70 Volume Pricing	3 In Stock
50.80	-	2.00	BBAR (1650-3000nm)	#24-349	€695,25 Volume Pricing	2 In Stock
50.80	-	2.00	BBAR (3000-12000nm)	#39-414	€849,75 Volume Pricing	4 In Stock
50.80	-	2.00	BBAR (8000-12000nm)	#39-464	€849,75 Volume Pricing	5 In Stock
50.80	-	3.00	Uncoated	#39-402	€690,10 Volume Pricing	8 In Stock
50.80	-	3.00	BBAR (1650-3000nm)	#24-350	€767,35 Volume Pricing	1 In Stock
50.80	-	3.00	BBAR (3000-12000nm)	#39-415	€927,00 Volume Pricing	7 In Stock
50.80	-	3.00	BBAR (8000-12000nm)	#39-465	€927,00 Volume Pricing	2 In Stock
50.80	-	5.00	Uncoated	#39-404	€834,30 Volume Pricing	Contact Us
50.80	-	5.00	BBAR (1650-3000nm)	#24-351	€921,85 Volume Pricing	Contact Us
50.80	-	5.00	BBAR (3000-12000nm)	#39-416	€1.076,35 Volume Pricing	20+ In Stock
50.80	-	5.00	BBAR (8000-12000nm)	#39-467	€1.076,35 Volume Pricing	13 In Stock
75.00	-	6.00	Uncoated	#68-497	€2.034,25 Volume Pricing	16 In Stock
75.00	-	6.00	BBAR (1650-3000nm)	#24-352	€2.250,55 Volume Pricing	1 In Stock
75.00	-	6.00	BBAR (3000-12000nm)	#48-855	€2.461,70 Volume Pricing	Contact Us

76.20	-	6.00	Uncoated	#17-608	€2.034,25 Volume Pricing	3 In Stock
76.20	-	6.00	BBAR (1650-3000nm)	#24-353	€2.250,55 Volume Pricing	3 In Stock
101.60	-	6.00	Uncoated	#17-609	€3.115,75 Volume Pricing	11 In Stock
127.00	-	6.00	Uncoated	#17-610	€4.403,25 Volume Pricing	2 In Stock



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