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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		

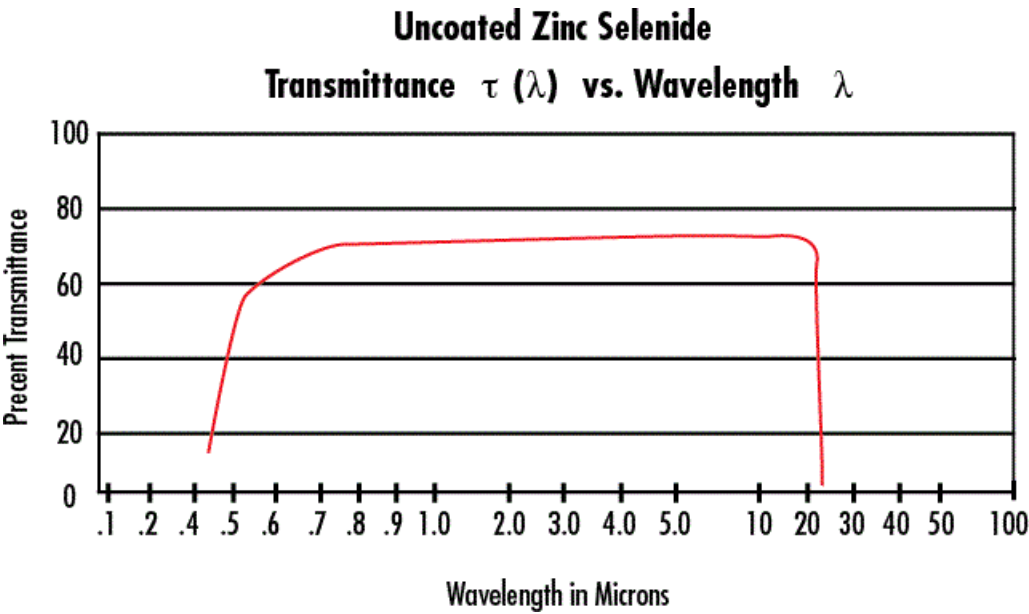
Optical Properties

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	C\$231.50 Volume Pricing	17 In Stock
5.00	-	1.00	BBAR (1650-3000nm)	#24-327	C\$290.86 Volume Pricing	5 In Stock
10.00	-	1.50	Uncoated	#68-490	C\$287.90 Volume Pricing	3 In Stock
10.00	-	1.50	BBAR (1650-3000nm)	#24-328	C\$347.26 Volume Pricing	2 In Stock
10.00	-	1.50	BBAR (3000-12000nm)	#47-936	C\$393.26 Volume Pricing	Contact Us
10.00	-	1.50	BBAR (8000-12000nm)	#68-498	C\$393.26 Volume Pricing	20+ In Stock
12.50	-	1.00	Uncoated	#68-506	C\$310.16 Volume Pricing	20+ In Stock
12.50	-	1.00	BBAR (1650-3000nm)	#24-329	C\$369.52 Volume Pricing	5 In Stock
12.50	-	1.00	BBAR (3000-12000nm)	#68-511	C\$421.46 Volume Pricing	20+ In Stock
12.50	-	1.00	BBAR (8000-12000nm)	#68-516	C\$421.46 Volume Pricing	20+ In Stock
12.50	-	2.00	Uncoated	#68-491	C\$310.16 Volume Pricing	20+ In Stock
12.50	-	2.00	BBAR (1650-3000nm)	#24-330	C\$369.52 Volume Pricing	8 In Stock
12.50	-	2.00	BBAR (3000-12000nm)	#47-937	C\$421.46 Volume Pricing	14 In Stock

12.50	-	2.00	BBAR (8000-12000nm)	#68-499	C\$421.46 Volume Pricing	5 In Stock
12.70	-	1.00	Uncoated	#39-391	C\$310.16 Volume Pricing	5 In Stock
12.70	-	1.00	BBAR (1650-3000nm)	#24-331	C\$369.52 Volume Pricing	6 In Stock
12.70	-	1.00	BBAR (3000-12000nm)	#39-405	C\$421.46 Volume Pricing	9 In Stock
12.70	-	1.00	BBAR (8000-12000nm)	#39-419	C\$421.46 Volume Pricing	Contact Us
12.70	-	2.00	Uncoated	#39-392	C\$310.16 Volume Pricing	17 In Stock
12.70	-	2.00	BBAR (1650-3000nm)	#24-332	C\$369.52 Volume Pricing	5 In Stock
12.70	-	2.00	BBAR (3000-12000nm)	#39-406	C\$421.46 Volume Pricing	9 In Stock
12.70	-	2.00	BBAR (8000-12000nm)	#39-420	C\$421.46 Volume Pricing	8 In Stock
20.00	-	2.00	Uncoated	#68-492	C\$350.22 Volume Pricing	20+ In Stock
20.00	-	2.00	BBAR (1650-3000nm)	#24-333	C\$408.10 Volume Pricing	4 In Stock
20.00	-	2.00	BBAR (3000-12000nm)	#63-210	C\$471.91 Volume Pricing	14 In Stock
20.00	-	2.00	BBAR (8000-12000nm)	#68-500	C\$471.91 Volume Pricing	6 In Stock
25.00	-	1.00	Uncoated	#68-507	C\$362.10 Volume Pricing	Contact Us
25.00	-	1.00	BBAR (1650-3000nm)	#24-334	C\$421.46 Volume Pricing	4 In Stock

25.00	-	1.00	BBAR (3000-12000nm)	#68-512	C\$562.44 Volume Pricing	5 In Stock
25.00	-	1.00	BBAR (8000-12000nm)	#68-517	C\$562.44 Volume Pricing	5 In Stock
25.00	-	2.00	Uncoated	#68-508	C\$378.42 Volume Pricing	14 In Stock
25.00	-	2.00	BBAR (1650-3000nm)	#24-335	C\$437.78 Volume Pricing	2 In Stock
25.00	-	2.00	BBAR (3000-12000nm)	#68-513	C\$590.63 Volume Pricing	6 In Stock
25.00	-	2.00	BBAR (8000-12000nm)	#68-518	C\$590.63 Volume Pricing	7 In Stock
25.00	-	3.00	Uncoated	#68-493	C\$405.13 Volume Pricing	4 In Stock
-	25.00 x 25.00	3.00	Uncoated	#27-500	C\$385.84 Volume Pricing	5 In Stock
25.00	-	3.00	BBAR (1650-3000nm)	#24-336	C\$464.49 Volume Pricing	8 In Stock
25.00	-	3.00	BBAR (3000-12000nm)	#47-938	C\$617.34 Volume Pricing	5 In Stock
25.00	-	3.00	BBAR (8000-12000nm)	#68-501	C\$617.34 Volume Pricing	5 In Stock
25.00	-	5.00	Uncoated	#39-393	C\$479.33 Volume Pricing	Contact Us
25.00	-	5.00	BBAR (1650-3000nm)	#24-337	C\$538.69 Volume Pricing	1 In Stock
25.00	-	5.00	BBAR (3000-12000nm)	#39-407	C\$693.03 Volume Pricing	9 In Stock
25.00	-	5.00	BBAR (8000-12000nm)	#39-421	C\$693.03 Volume Pricing	7 In Stock

25.40	-	1.00	Uncoated	#39-394	C\$350.22 Volume Pricing	5 In Stock
25.40	-	1.00	BBAR (1650-3000nm)	#24-338	C\$408.10 Volume Pricing	4 In Stock
25.40	-	1.00	BBAR (3000-12000nm)	#39-408	C\$562.44 Volume Pricing	5 In Stock
25.40	-	1.00	BBAR (8000-12000nm)	#39-424	C\$562.44 Volume Pricing	14 In Stock
25.40	-	2.00	Uncoated	#39-396	C\$378.42 Volume Pricing	5 In Stock
25.40	-	2.00	BBAR (1650-3000nm)	#24-339	C\$437.78 Volume Pricing	Contact Us
25.40	-	2.00	BBAR (3000-12000nm)	#39-409	C\$590.63 Volume Pricing	10 In Stock
25.40	-	2.00	BBAR (8000-12000nm)	#39-434	C\$590.63 Volume Pricing	7 In Stock
25.40	-	3.00	Uncoated	#39-397	C\$405.13 Volume Pricing	10 In Stock
25.40	-	3.00	BBAR (1650-3000nm)	#24-340	C\$464.49 Volume Pricing	4 In Stock
25.40	-	3.00	BBAR (3000-12000nm)	#39-410	C\$617.34 Volume Pricing	8 In Stock
25.40	-	3.00	BBAR (8000-12000nm)	#39-436	C\$617.34 Volume Pricing	5 In Stock
25.40	-	5.00	Uncoated	#39-398	C\$479.33 Volume Pricing	Contact Us
25.40	-	5.00	BBAR (1650-3000nm)	#24-341	C\$538.69 Volume Pricing	Contact Us
25.40	-	5.00	BBAR (3000-12000nm)	#39-411	C\$693.03 Volume Pricing	9 In Stock

25.40	-	5.00	BBAR (8000-12000nm)	#39-437	C\$693.03 Volume Pricing	Contact Us
30.00	-	3.00	Uncoated	#68-494	C\$696.00 Volume Pricing	14 In Stock
30.00	-	3.00	BBAR (1650-3000nm)	#24-342	C\$816.20 Volume Pricing	5 In Stock
30.00	-	3.00	BBAR (3000-12000nm)	#63-211	C\$920.08 Volume Pricing	Contact Us
30.00	-	3.00	BBAR (8000-12000nm)	#68-502	C\$920.08 Volume Pricing	9 In Stock
40.00	-	4.00	Uncoated	#68-495	C\$875.56 Volume Pricing	10 In Stock
40.00	-	4.00	BBAR (1650-3000nm)	#24-343	C\$1,001.70 Volume Pricing	2 In Stock
40.00	-	4.00	BBAR (3000-12000nm)	#63-212	C\$1,120.42 Volume Pricing	5 In Stock
40.00	-	4.00	BBAR (8000-12000nm)	#68-503	C\$1,120.42 Volume Pricing	6 In Stock
50.00	-	1.00	Uncoated	#68-509	C\$845.88 Volume Pricing	20+ In Stock
50.00	-	1.00	BBAR (1650-3000nm)	#24-344	C\$972.02 Volume Pricing	4 In Stock
50.00	-	1.00	BBAR (3000-12000nm)	#68-514	C\$1,194.62 Volume Pricing	5 In Stock
50.00	-	1.00	BBAR (8000-12000nm)	#68-519	C\$1,194.62 Volume Pricing	1 In Stock
50.00	-	2.00	Uncoated	#68-510	C\$875.56 Volume Pricing	1 In Stock
50.00	-	2.00	BBAR (1650-3000nm)	#24-345	C\$1,001.70 Volume Pricing	2 In Stock

50.00	-	2.00	BBAR (3000-12000nm)	#68-515	C\$1,224.30 Volume Pricing	5 In Stock
50.00	-	2.00	BBAR (8000-12000nm)	#68-520	C\$1,224.30 Volume Pricing	3 In Stock
50.00	-	3.00	Uncoated	#68-496	C\$994.28 Volume Pricing	11 In Stock
-	50.00 x 50.00	3.00	Uncoated	#27-537	C\$949.76 Volume Pricing	3 In Stock
50.00	-	3.00	BBAR (1650-3000nm)	#24-346	C\$1,105.58 Volume Pricing	5 In Stock
50.00	-	3.00	BBAR (3000-12000nm)	#47-939	C\$1,335.60 Volume Pricing	Contact Us
50.00	-	3.00	BBAR (8000-12000nm)	#68-504	C\$1,335.60 Volume Pricing	4 In Stock
50.00	-	5.00	Uncoated	#39-399	C\$1,209.46 Volume Pricing	7 In Stock
50.00	-	5.00	BBAR (1650-3000nm)	#24-347	C\$1,328.18 Volume Pricing	3 In Stock
50.00	-	5.00	BBAR (3000-12000nm)	#39-412	C\$1,550.78 Volume Pricing	13 In Stock
50.00	-	5.00	BBAR (8000-12000nm)	#39-438	C\$1,550.78 Volume Pricing	7 In Stock
50.80	-	1.00	Uncoated	#39-400	C\$845.88 Volume Pricing	8 In Stock
50.80	-	1.00	BBAR (1650-3000nm)	#24-348	C\$972.02 Volume Pricing	6 In Stock
50.80	-	1.00	BBAR (3000-12000nm)	#39-413	C\$1,194.62 Volume Pricing	2 In Stock
50.80	-	1.00	BBAR (8000-12000nm)	#39-440	C\$1,194.62 Volume Pricing	Contact Us

50.80	-	2.00	Uncoated	#39-401	C\$875.56 Volume Pricing	2 In Stock
50.80	-	2.00	BBAR (1650-3000nm)	#24-349	C\$1,001.70 Volume Pricing	2 In Stock
50.80	-	2.00	BBAR (3000-12000nm)	#39-414	C\$1,224.30 Volume Pricing	4 In Stock
50.80	-	2.00	BBAR (8000-12000nm)	#39-464	C\$1,224.30 Volume Pricing	5 In Stock
50.80	-	3.00	Uncoated	#39-402	C\$994.28 Volume Pricing	8 In Stock
50.80	-	3.00	BBAR (1650-3000nm)	#24-350	C\$1,105.58 Volume Pricing	1 In Stock
50.80	-	3.00	BBAR (3000-12000nm)	#39-415	C\$1,335.60 Volume Pricing	7 In Stock
50.80	-	3.00	BBAR (8000-12000nm)	#39-465	C\$1,335.60 Volume Pricing	2 In Stock
50.80	-	5.00	Uncoated	#39-404	C\$1,202.04 Volume Pricing	Contact Us
50.80	-	5.00	BBAR (1650-3000nm)	#24-351	C\$1,328.18 Volume Pricing	Contact Us
50.80	-	5.00	BBAR (3000-12000nm)	#39-416	C\$1,550.78 Volume Pricing	20+ In Stock
50.80	-	5.00	BBAR (8000-12000nm)	#39-467	C\$1,550.78 Volume Pricing	13 In Stock
75.00	-	6.00	Uncoated	#68-497	C\$2,930.90 Volume Pricing	16 In Stock
75.00	-	6.00	BBAR (1650-3000nm)	#24-352	C\$3,242.54 Volume Pricing	1 In Stock
75.00	-	6.00	BBAR (3000-12000nm)	#48-855	C\$3,546.76 Volume Pricing	Contact Us

76.20	-	6.00	Uncoated	#17-608	C\$2,930.90 Volume Pricing	3 In Stock
76.20	-	6.00	BBAR (1650-3000nm)	#24-353	C\$3,242.54 Volume Pricing	3 In Stock
101.60	-	6.00	Uncoated	#17-609	C\$4,489.10 Volume Pricing	11 In Stock
127.00	-	6.00	Uncoated	#17-610	C\$6,344.10 Volume Pricing	2 In Stock



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