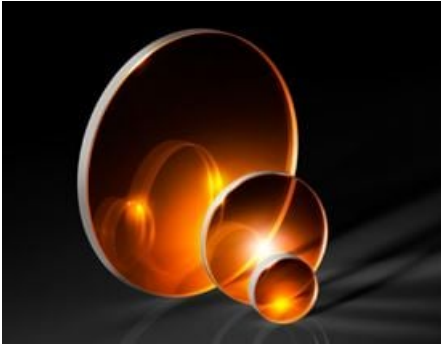


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Laser Grade C-Axis Sapphire Windows



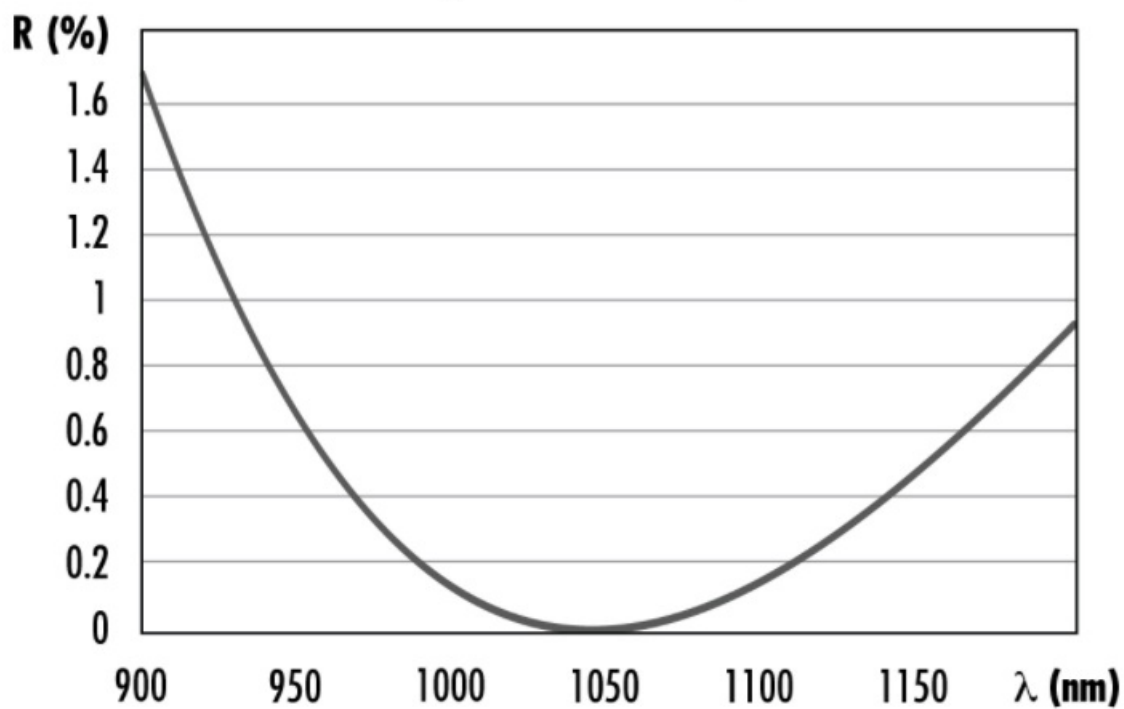
- C-Axis Cut Sapphire to Eliminate Birefringence
- 10-5 Surface Quality and $\lambda/10$ TWFD
- Uncoated or IBS AR Coated for 1000-1100nm
- Ideal for High Power Laser Applications

Common Specifications

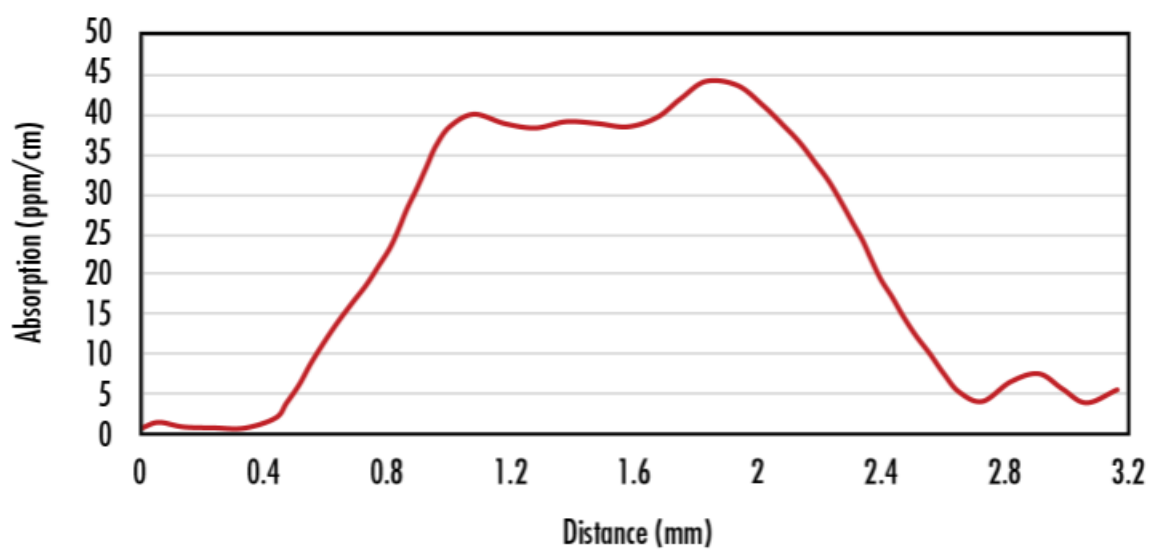
Physical & Mechanical Properties			
Thickness (mm):	3.18 ±0.20	Parallelism (arcmin):	<3
Bevel:	Protective as needed	Edges:	Fine Ground
Poisson's Ratio:	0.27	Young's Modulus (GPa):	435
Knoop Hardness (kg/mm ²):	1,900.00		
Optical Properties			
Substrate:	Sapphire (Al ₂ O ₃)		
Index of Refraction (n _d):	1.77	Surface Quality:	10-5
Abbe Number (v _d):	72.24	Birefringence (n _o -n _e):	0
Axis Orientation:	C-axis		
Material Properties			
Density (g/cm ³):		3.97	
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):		8.8	

Technical Information

Laser Grade C-Axis Sapphire Windows BBAR (1000-1100nm) Coated



Absorption Scan of Laser Grade C-Axis Sapphire Windows For Reference Only



Products

Dia. (mm)	Coating	Thickness (mm)	Stock Number	Price	Buy
12.70	Uncoated	3.18	#15-803	€216,30 Volume Pricing	20+ In Stock
12.70	BBAR (1000-1100nm)	3.18	#15-806	€379,04 Volume Pricing	15 In Stock
25.40	Uncoated	3.18	#15-804	€334,75 Volume Pricing	10 In Stock
25.40	BBAR (1000-1100nm)	3.18	#15-807	€440,84 Volume Pricing	20+ In Stock
50.80	Uncoated	3.18	#15-805	€641,69 Volume Pricing	12 In Stock
50.80	BBAR (1000-1100nm)	3.18	#15-808	€834,30 Volume Pricing	20+ In Stock



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