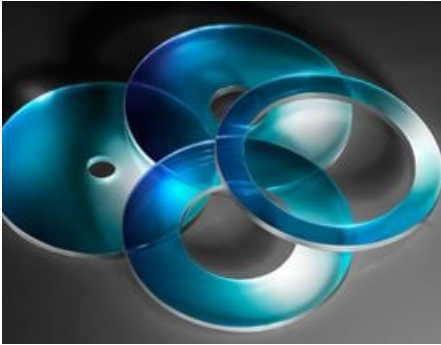


[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)

Sapphire Windows with Through Holes



- 25.4mm Diameter Sapphire Substrates
- 3.2 - 19.1mm Through Hole Diameters
- High Transmission From 0.33 - 5.5 μ m

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Diameter (mm):	25.40 ±0.127
Thickness (mm):	1.00 ±0.127	Knoop Hardness (kg/mm ²):	1,900.00
Parallelism (arcmin):	≤3.5	Poisson's Ratio:	0.27
Young's Modulus (GPa):	435		
Optical Properties			
Abbe Number (v _d):	72.24		
Axis Orientation:	Random	Birefringence (n _o -n _e):	0.008 for Visible Light Orthogonal to Optical Axis
Coating:	Uncoated	Index of Refraction (n _d):	1.77
Substrate:	Sapphire (Al ₂ O ₃)	Surface Flatness (P-V):	2λ (typical)
Surface Quality:	80-50	Wavelength Range (nm):	330 - 5500
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	8.8	Density (g/cm ³):	3.97

Technical Information

Products

Dia. (mm)	Through Hole Diameter (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
25.40	3.20	1.00	Uncoated	#17-215	C\$180.35 Volume Pricing	20+ In Stock
25.40	6.35	1.00	Uncoated	#17-214	C\$180.35 Volume Pricing	20+ In Stock
25.40	12.70	1.00	Uncoated	#17-213	C\$180.35 Volume Pricing	7 In Stock
25.40	19.10	1.00	Uncoated	#17-212	C\$180.35 Volume Pricing	20+ In Stock



Copyright 2023, Edmund Optics Inc., 101 East Gloucester Pike, Barrington, NJ 08007-1380 USA

Phone: 1-800-363-1992 :

www.edmundoptics.com