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$\lambda/10$ Infrared (IR) Fused Silica Windows



- IR Grade Fused Silica Substrates
- Broad Transmission Range from 200 – 3500nm
- $\lambda/10$ Transmitted Wavefront Distortion
- Excellent Thermal Stability

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	90
Edges:	Fine Ground	Knoop Hardness (kg/mm ²):	522.00
Parallelism (arcsec):	<5	Poisson's Ratio:	0.16
Young's Modulus (GPa):	73		
Optical Properties			
Abbe Number (v _d):	67.8		
Coating:	Uncoated	Index of Refraction (n _d):	1.458
Substrate:	IR Fused Silica	Surface Quality:	20-10
Wavelength Range (nm):	200 - 3500		
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):		0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	
Density (g/cm ³):		2.20	

Technical Information

Products

Title	Stock Number	Price	Buy
12.7mm Dia., 1mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-103	A\$181.28 Volume Pricing	5 In Stock
12.7mm Dia., 2mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-104	A\$181.28 Volume Pricing	20+ In Stock
25.4mm Dia., 1mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-105	A\$214.24 Volume Pricing	20+ In Stock
25.4mm Dia., 2mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-106	A\$214.24 Volume Pricing	5 In Stock
25.4mm Dia., 3mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-107	A\$214.24 Volume Pricing	20+ In Stock
38.1mm Dia., 3mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-108	A\$329.60 Volume Pricing	1 In Stock
50.8mm Dia., 1mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-109	A\$412.00 Volume Pricing	17 In Stock
50.8mm Dia., 3mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-110	A\$412.00 Volume Pricing	20+ In Stock
76.2mm Dia., 6mm Thick, Uncoated, $\lambda/10$ IR Fused Silica Window	#70-111	A\$1,030.00 Volume Pricing	20+ In Stock



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Phone: 1-800-363-1992 :

www.edmundoptics.com