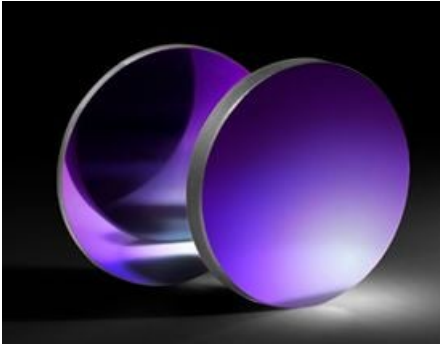


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ISP Optics AMTIR-1 Windows

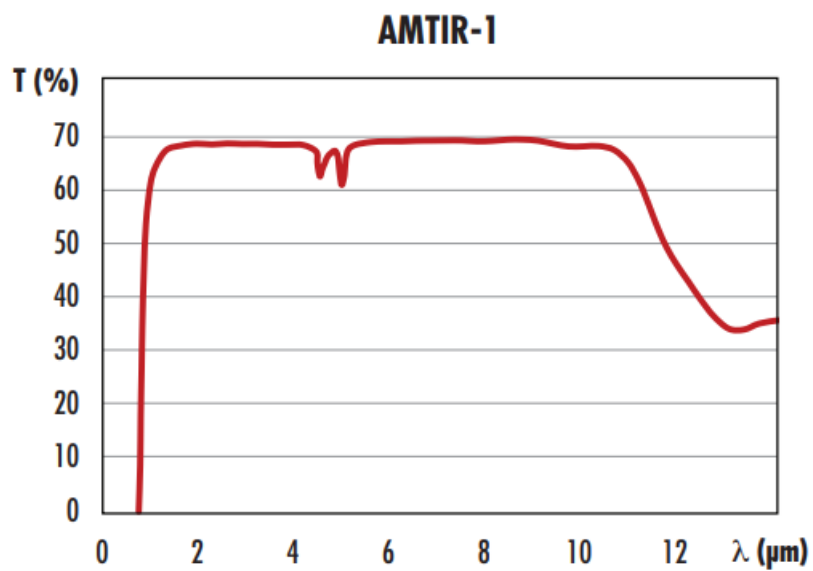
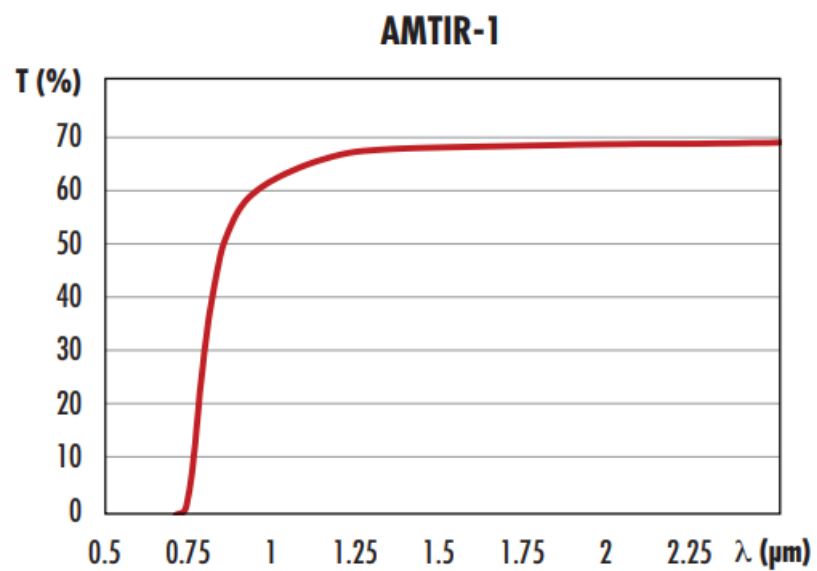


- Transmission from 750nm - 14 μ m
- Excellent Chemical Resistance to Acids
- Low Index of Refraction

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	85
Clear Aperture CA (mm):	21.59	Diameter (mm):	25.40 +0.00/-0.13
Edges:	Fine Ground	Knoop Hardness (kg/mm ²):	170
Parallelism (arcmin):	<3	Poisson's Ratio:	0.215
Young's Modulus (GPa):	21.2		
Optical Properties			
Coating:	Uncoated		
Index of Refraction (n _d):	2.519 @ 3μm 2.503 @ 8μm 2.490 @ 12μm	Substrate:	AMTIR-1 (Ge ₃₃ As ₁₂ Se ₅₅)
Surface Flatness (P-V):	λ/10 @ 10.6μm	Surface Quality:	40-20
Wavelength Range (nm):	750 - 14000		
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):		12.6	
Density (g/cm ³):		4.43	

Technical Information



Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
25.40	1.00	Uncoated	AM-W-25-1	#16-796	₹40,049	10 to 12 days
25.40	3.00	Uncoated	AM-W-25-3	#16-797	₹48,631	10 to 12 days



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Phone: 1-800-363-1992 :

www.edmundoptics.com