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ISP Optics Germanium (Ge) Windows See More by [ISP Optics](#)



- Minimal Chromatic Aberration Due to Low Dispersion
- Uncoated Transmission from 2 – 16 μ m
- Available with BBAR or DLC Coating for 8 – 12 μ m
- Due to material supply chain disruptions with germanium, there may be increased lead times and price changes on our germanium products. For more information, please contact our [customer service team](#).
- Edmund Optics has limited remaining inventory of this part number and no raw material available to supply more once this is depleted. Please contact our Product Support Engineers to help with an alternate solution for your needs. Customer Service can provide you the latest price and availability.

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	85
Thickness (mm):	3.00 ±0.13	Edges:	Fine Ground
Knoop Hardness (kg/mm ²):	780.00	Parallelism (arcmin):	<3
Poisson's Ratio:	0.28	Young's Modulus (GPa):	102.7
Optical Properties			
Index of Refraction (n _d):	4.002 @ 11µm	Substrate:	Germanium (Ge)
Surface Flatness (P-V):	λ/10 @ 10.6µm	Surface Quality:	40-20
Wavelength Range (nm):	2000 - 14000		
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):		6.1	
Density (g/cm ³):		5.33	

Technical Information

Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
25.40	3.00	BBAR (8000-12000nm)	AR812-GE-W-25-3	#24-572	€408,00	2 In Stock
38.10	3.00	S1: DLC Coating S2: BBAR (8000-12000nm)	DLC812-GE-W-38-3	#24-578	€787,00	20+ In Stock



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