

12.5mm Diameter High Contrast Mid-Wave Infrared Polarizer



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C\$994^{.00}

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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

11.25

Diameter (mm):

12.50 +0.0/-0.2

Thickness (mm):

2.00 ±0.50

Nanoparticle	Construction:
90	Clear Aperture (%):
Optical Properties	
Uncoated	Coating:
>10,000:1 (2000-4500nm) >1,000:1 (1500-5000nm)	Extinction Ratio:
Sodium Silicate Glass Doped with Glass Nanoparticles	Substrate: ☐
60-40	Surface Quality:
>65 (2000nm-4500nm) >35 (1500-5000nm)	Transmission (%):
<3 waves @ 633nm per 1cm	Transmitted Wavefront, P-V:
<20	Beam Deviation (arcmin):
<0.5 (to indicated edge)	Polarization Axis Mark (%):
1500 - 5000	Wavelength Range (nm):
±20	Acceptance Angle (°):
Threading & Mounting	
Unmounted	Mount Thickness (mm):
Environmental & Durability Factors	
-50 to +400	Operating Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- 1.5 – 5µm Wavelength Range
- Mounted for Easy Handling and System Integration
- Highly Durable Soda Lime Substrate

Featuring high contrast ratios and transmittances, Mid-Wave Infrared (MMR) Polarizers are designed for applications operating in the 1.5 – 5µm wavelength range. Ideal for harsh environments, each MMR polarizer is constructed of a dichroic glass substrate which provides a high resistance to UV radiation and chemicals, as well as an operating temperature of up to 400°C.