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12.5mm Diameter Mid-Wave Infrared Polarizer



Stock **#85-262** **6 In Stock**

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1

+

C\$1,141^{.00}

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Qty 1-5	C\$1,141.00 each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

8.1

Diameter (mm):

12.50

Thickness (mm):

5.00

Nanoparticle		Construction:
Optical Properties		
±20	Angle of Incidence (°):	
>1,000:1 (1500-5000nm) >10,000:1 (2000-4500nm)	Extinction Ratio:	
Soda Lime Float Glass	Substrate: ☐	
60-40	Surface Quality:	
35 (1500-5000nm) 65 (2000-4500nm)	Transmission (%):	
<3λ per 10mm	Transmitted Wavefront, P-V:	
<1	Beam Deviation (arcmin):	
±2	Polarization Axis Mark (%):	
1500 - 5000	Wavelength Range (nm):	
1 W/cm² (Continuous Block) 5 W/cm² (Continuous Pass)	Damage Threshold, By Design: ☐	

Environmental & Durability Factors		
-20 to +120	Operating Temperature (°C):	

Regulatory Compliance		
Compliant	RoHS 2015:	
View	Certificate of Conformance:	
Compliant	REACH 241:	

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 (MMIR) Polarizers are designed for applications operating in the 1.5 – 5µm wavelength range. Ideal for harsh environments, each MMIR 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.