

12.5mm Diameter Mid-Wave Infrared Polarizer



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

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+

S\$1,141^{.00}

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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

Construction:	
Nanoparticle	
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 (MWIR) 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.