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5µm λ/2 MWIR Zero Order Waveplate

Stock **#85-119** **3 In Stock**

- 1 + **C$1,463**.00

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Qty 1-9	**C$1,463.00** each
Qty 10+	**C$1,309.00** each
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General

Type:
Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):
10.0

Diameter (mm):
25.40

Parallelism (arcmin):
3

Construction:
Crystalline

Optical Properties

Design Wavelength DWL (nm):
5000

Substrate:
MgF_2

Retardance:
λ/2

Surface Quality:
60-40

Transmitted Wavefront, P-V:
<λ/8 @ 632.8nm

Retardance Tolerance:
λ/100 @ 20°C

Retardance Order:
0

Threading & Mounting

Mount Thickness (mm):
6.0

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

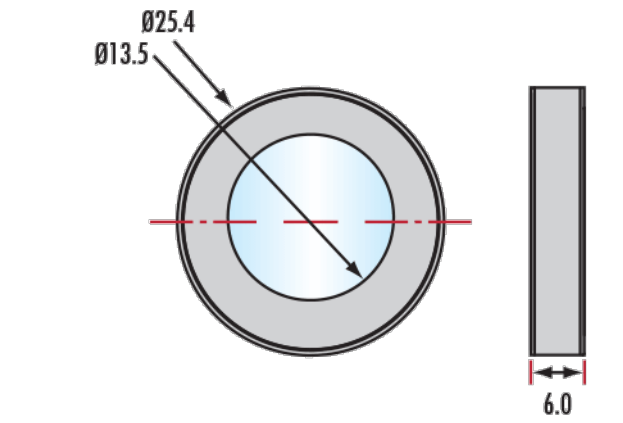
Reach 247:
Compliant

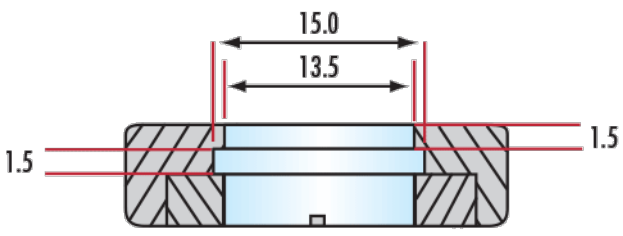
Product Details

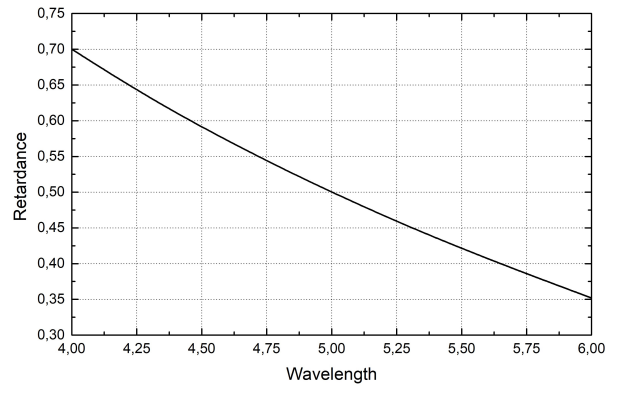
- Ideal for Applications in the 3 – 7µm Range
- λ/4 and λ/2 Retardance
- Mounted for Easy Alignment and System Integration

Our zero order Mid-Wave Infrared (MWIR) Waveplates are designed for applications in the 3 – 7µm wavelength range. When compared to multiple order waveplates, zero order waveplates provide increased bandwidth and lower sensitivity to temperature change. These waveplates are available with λ/4 or λ/2 retardance in a range of wavelengths, offer efficient retardation over broad spectral ranges, and are ideal for a variety of infrared (IR) applications. Each MWIR waveplate is anti-reflection coated, and has been mounted to ease system integration.

Technical Information







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