

## 7μm λ/2 MWIR Zero Order Waveplate



Stock #85-121 **1 In Stock**

⊖ 1 ⊕ €1.080<sup>00</sup>

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### Volume Pricing

Qty 1-9	€1.080,00 each
Qty 10+	€975,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Crystalline Waveplate **Type:**

### Physical & Mechanical Properties

10.0 **Clear Aperture CA (mm):**

25.40 **Diameter (mm):**

3 **Parallelism (arcmin):**

Crystalline **Construction:**

## Optical Properties

7000 **Design Wavelength DWL (nm):**

MgF<sub>2</sub> **Substrate:** □

λ/2 **Retardance:**

60-40 **Surface Quality:**

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

λ/100 @ 20°C **Retardance Tolerance:**

0 **Retardance Order:**

## Threading & Mounting

6.0 **Mount Thickness (mm):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 247:**

## 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 (MMIR) 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 MMIR waveplate is anti-reflection coated, and has been mounted to ease system integration.

## Technical Information

