

5μm λ/4 MWIR Zero Order Waveplate



Stock #85-112 [CONTACT US](#)

⊖ 1 ⊕ €1.045⁰⁰

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| Qty 1-9 | €1.045,00 each |
| Qty 10+ | €935,00 each |
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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

5000 **Design Wavelength DWL (nm):**

MgF₂ **Substrate:** □

λ/4 **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

