

4μm λ/4 MWIR Zero Order Waveplate



Stock **#85-111** **3 In Stock**

C\$1,463⁰⁰

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

Crystalline Waveplate **Type:**

Physical & Mechanical Properties

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

25.40 **Diameter (mm):**

3 **Parallelism (arcmin):**

Crystalline

Construction:

Optical Properties

4000 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 – 9μm Range
- λ/4 and λ/2 Retardance
- Mounted for Easy Alignment and System Integration

Our zero order Mid-Wave Infrared (MMIR) and Long-Wave Infrared (LWIR) Waveplates are designed for applications in the 3 – 9μm 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 MMR and LWIR waveplate is anti-reflection coated, and has been mounted to ease system integration.

Technical Information

