

3μm λ/4 MWIR Zero Order Waveplate



Stock #85-110 [CONTACT US](#)

- 1 + £836.⁰⁰

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Volume Pricing

Qty 1-9	£836.00 each
Qty 10+	£748.00 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

3000 Design Wavelength DWL (nm):

MgF₂ Substrate:

$\lambda/4$ Retardance:

60-40 Surface Quality:

< $\lambda/8$ @ 632.8nm Transmitted Wavefront, P-V:

$\lambda/100$ @ 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 – 7 μ m Range
- $\lambda/4$ and $\lambda/2$ Retardance
- Mounted for Easy Alignment and System Integration

Our zero order Mid-Wave Infrared (MMIR) Waveplates are designed for applications in the 3 – 7 μ m 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 $\lambda/4$ or $\lambda/2$ 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

