

## 7μm λ/4 MWIR Zero Order Waveplate



Stock #85-114 **1 In Stock**

£864.<sup>00</sup>

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### Volume Pricing

Qty 1-9	£864.00 each
Qty 10+	£780.00 each
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**i** 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:

$\lambda/4$  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 $\mu$ 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 $\mu$ 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

