

## 5μm λ/4 MWIR Zero Order Waveplate



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

- 1 + MRP ₹1,05,431

Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	₹1,05,431 each
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### Product Downloads

### General

Crystalline Waveplate **Type:**

### Physical & Mechanical Properties

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

25.40 **Diameter (mm):**

**Parallelism (arcmin):**

Crystalline **Construction:**

## Optical Properties

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

MgF<sub>2</sub> **Substrate:**

$\lambda/4$  **Retardance:**

60-40 **Surface Quality:**

<math>\lambda/8</math> @ 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:**

Lithuania **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## 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



