

[See all 10 Products in Family](#)

7μm λ/2 MWIR Zero Order Waveplate



Stock #85-121 [CONTACT US](#)

⊖ 1 ⊕ \$1,512⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	\$1,512.00 each
Qty 10+	\$1,365.00 each
Need More?	Request Quote

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):**

MgF₂ **Substrate:**

$\lambda/2$ **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 (MMR) 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 MMR waveplate is anti-reflection coated, and has been mounted to ease system integration.

Technical Information

