

5μm λ/4 MWIR Zero Order Waveplate



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⊖ 1 ⊕ ₹74,736

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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

5000 **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:**

Lithuania **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

Product Details

- Ideal for Applications in the 3 – 9 μ m Range
- $\lambda/4$ and $\lambda/2$ 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 – 9 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 and LWIR waveplate is anti-reflection coated, and has been mounted to ease system integration.

Technical Information

