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## 5μm λ/2 MWIR Zero Order Waveplate



Stock #85-119 2 In Stock

- 1 + €1.045<sup>00</sup>

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| Qty 1-9        | €1.045,00 each                |
| Qty 10+        | €935,00 each                  |
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Product Downloads

General

Type:

Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0

Diameter (mm):

25.40

|                         |                                     |
|-------------------------|-------------------------------------|
| 3                       | Parallelism (arcmin):               |
| Crystalline             | Construction:                       |
| Optical Properties      |                                     |
| 5000                    | Design Wavelength DWL (nm):         |
| MgF <sub>2</sub>        | Substrate: <input type="checkbox"/> |
| $\lambda/2$             | 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 – 9µm 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 – 9µm 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



