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3μm λ/2 MWIR Zero Order Waveplate



Stock **#85-117** **4 In Stock**

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1

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£836^{.00}

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Qty 1-9	£836.00 each
Qty 10+	£748.00 each
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General

Type:

Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0

Diameter (mm):

25.40

3	Parallelism (arcmin):
Crystalline	Construction:
Optical Properties	
3000	Design Wavelength DWL (nm):
MgF ₂	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 – 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

