

4μm λ/2 MWIR Zero Order Waveplate



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+

A\$1,672^{.00}

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Qty 1-9	A\$1,672.00 each
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General

Type:

Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0

Diameter (mm):

25.40

Parallelism (arcmin):

3

Crystalline		Construction:
Optical Properties		
Design Wavelength DWL (nm):		4000
Substrate: ☐		MgF ₂
Retardance:		$\lambda/2$
Surface Quality:		60-40
Transmitted Wavefront, P-V:		< $\lambda/8$ @ 632.8nm
Retardance Tolerance:		$\lambda/100$ @ 20°C
Retardance Order:		0
Threading & Mounting		
Mount Thickness (mm):		6.0
Regulatory Compliance		
RoHS 2015:		Compliant
Certificate of Conformance:		View
Reach 247:		Compliant

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 (MMR) 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 MMR and LWIR waveplate is anti-reflection coated, and has been mounted to ease system integration.

Technical Information



