

7μm λ/2 MWIR Zero Order Waveplate



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

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1

+

S\$1,486^{.03}

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Qty 1-9	S\$1,486.03 each
Qty 10+	S\$1,338.18 each
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SPECIFICATIONS

General

Type:

Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0	
	Diameter (mm):
25.40	
	Parallelism (arcmin):
3	
	Construction:
Crystalline	
Optical Properties	
	Design Wavelength DWL (nm):
7000	
	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 (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



