

4μm λ/4 MWIR Zero Order Waveplate



Stock **#85-111**

10 TO 12 DAYS

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1

+

₹74,736

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₹74,736
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SPECIFICATIONS

General

Type:

Crystalline Waveplate

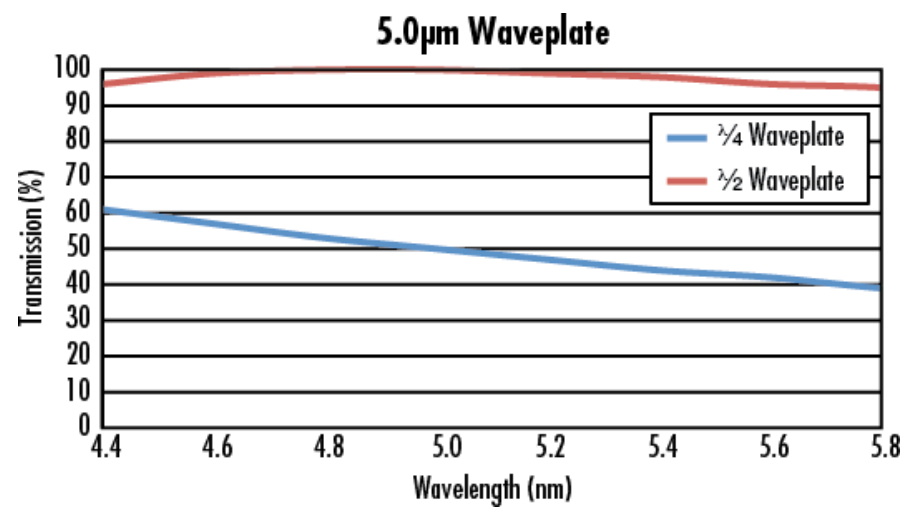
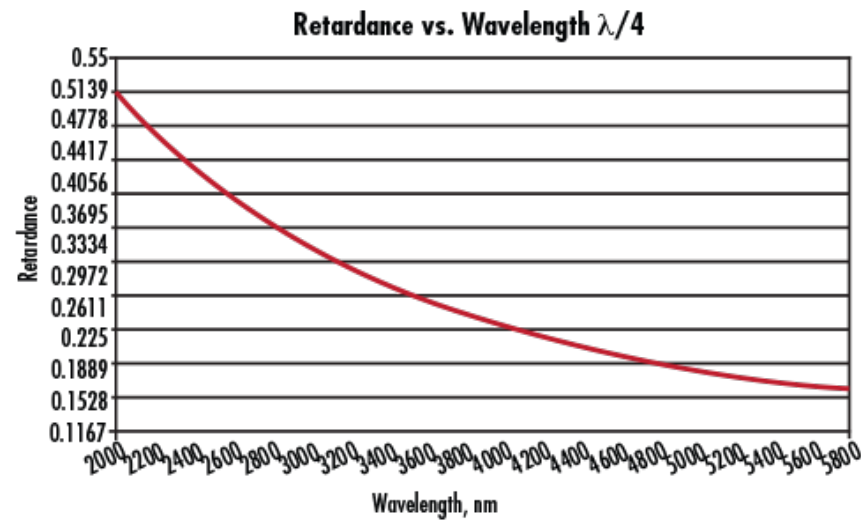
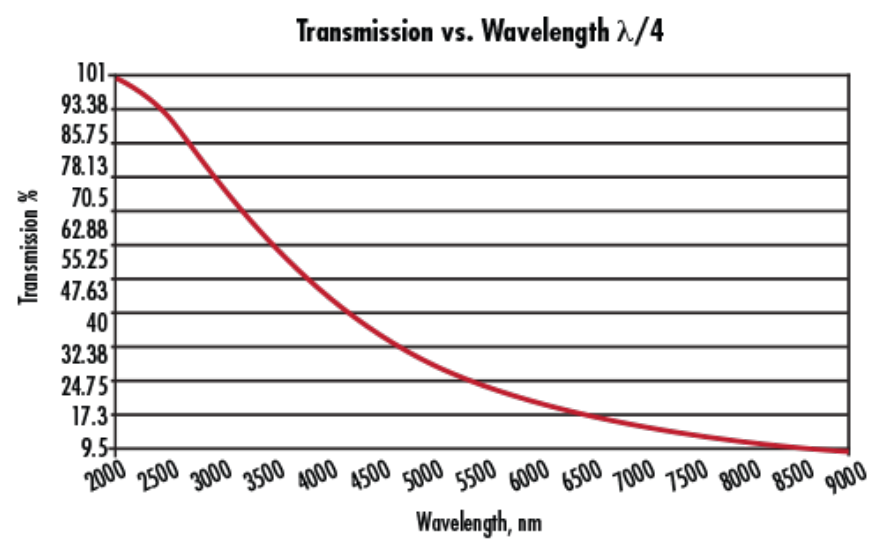
Physical & Mechanical Properties	
10.0	Clear Aperture CA (mm):
25.40	Diameter (mm):
3	Parallelism (arcmin):
Crystalline	Construction:
Optical Properties	
4000	Design Wavelength DWL (nm):
MgF ₂	Substrate:
$\lambda/4$	Retardance:
< $\lambda/8$ @ 632.8nm	Transmitted Wavefront, P-V:
$\lambda/100$ @ 20°C	Retardance Tolerance:
0	Retardance Order:
Threading & Mounting	
6.0	Mount Thickness (mm):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

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



Contrast measurement of waveplates placed between two Glan polarizers. $\lambda/4$ waveplate shows 50% transmission value at 5 μ m as it converts linear polarization to circular.

