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# Wide Angle $\lambda/4$ Waveplate, 25.4mm Dia. 1064nm



Stock **#29-817** 1 In Stock

-

1

+

S\$2,982<sup>.00</sup>

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| Qty 1+         | S\$2,982.00 each              |
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| General                          |                             |
|----------------------------------|-----------------------------|
| Polymer Waveplate                | Type:                       |
| Physical & Mechanical Properties |                             |
| 17.8                             | Clear Aperture CA (mm):     |
| 25.40                            | Diameter (mm):              |
| +/- 0.13                         | Dimensional Tolerance (mm): |

| Optical Properties                                      |                                 |
|---------------------------------------------------------|---------------------------------|
| ±30                                                     | Angle of Incidence (°):         |
| 1064                                                    | Design Wavelength DWL (nm):     |
| Polymer Film on <a href="#">N-BK7</a>                   | Substrate: <input type="text"/> |
| 0.5                                                     | Reflection (%):                 |
| $\lambda/4$                                             | Retardance:                     |
| 60-40                                                   | Surface Quality:                |
| $\leq \lambda/2$ @ 632.8nm                              | Transmitted Wavefront, RMS:     |
| $\leq \lambda/250$ @ 0 deg AOI, $\lambda/200$ at 30 deg | Retardance Tolerance:           |
| $\leq 1$ arcmin                                         | Beam Deviation (arcmin):        |
| Threading & Mounting                                    |                                 |
| 6.35                                                    | Mount Thickness (mm):           |
| Environmental & Durability Factors                      |                                 |
| 0 - 40                                                  | Operating Temperature (°C):     |
| Regulatory Compliance                                   |                                 |
| <a href="#">Compliant</a>                               | RoHS 2015:                      |
| <a href="#">View</a>                                    | Certificate of Conformance:     |
| <a href="#">Compliant</a>                               | REACH 241:                      |

## Product Details

- Up To  $\lambda/250$  Retardance Tolerances Out to 30° AOI
- Near Zero-Order Laminated Polymer Construction
- Ideal for Applications with Wide Acceptance Angles

Wide Angle Waveplates are designed to accept a large range of input angles, up to 30° AOI, with minimal retardance shift at non-zero angles of incidence. These waveplates are available with visible or NIR designed wavelengths of 532, 633, 1064 or 1550nm and with  $\lambda/2$  or  $\lambda/4$  retardance values. Featuring  $\leq \lambda/250$  quarter-wave and  $\leq \lambda/100$  half-wave retardance accuracies at the center, these waveplates are ideal for applications that require low sensitivity to AOI. Wide Field Waveplates are mounted and constructed with birefringent polymer on a N-BK7 substrate and coated with BBAR coatings.

**Note:** The fast axis is marked with a line.