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## 25.4mm Dia., 1550nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#39-180** **1 In Stock**

-

1

+

£524<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | £524.00 each                  |
| Qty 11+        | £488.00 each                  |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| High Energy Waveplate            | Type:                   |
| Physical & Mechanical Properties |                         |
| 18.0                             | Clear Aperture CA (mm): |
| 25.40                            | Diameter (mm):          |

|                                                       |  |
|-------------------------------------------------------|--|
| Dimensional Tolerance (mm):                           |  |
| +0/-0.2                                               |  |
| Construction:                                         |  |
| Optically Bonded on UVFS (C7980) Substrate            |  |
| Parallelism (arcsec):                                 |  |
| <3                                                    |  |
| Optical Properties                                    |  |
| Coating:                                              |  |
| R <sub>avg</sub> <0.2%                                |  |
| Design Wavelength DWL (nm):                           |  |
| 1550                                                  |  |
| Substrate: <input type="checkbox"/>                   |  |
| Crystalline Quartz                                    |  |
| Retardance:                                           |  |
| λ/4                                                   |  |
| Surface Quality:                                      |  |
| 20-10                                                 |  |
| Transmitted Wavefront, P-V:                           |  |
| <λ/10 @ 632.8nm                                       |  |
| Retardance Tolerance:                                 |  |
| λ/300 @ 20°C                                          |  |
| Damage Threshold, By Design: <input type="checkbox"/> |  |
| >20 J/cm <sup>2</sup> @ 1064nm, 10ns, 10Hz            |  |
| Retardance Order:                                     |  |
| 0                                                     |  |

Threading & Mounting

|                       |  |
|-----------------------|--|
| Mount Thickness (mm): |  |
| 6 ±0.2                |  |

Regulatory Compliance

|                             |  |
|-----------------------------|--|
| RoHS 2015:                  |  |
| <a href="#">Compliant</a>   |  |
| Certificate of Conformance: |  |
| <a href="#">View</a>        |  |
| Reach 247:                  |  |
| <a href="#">Compliant</a>   |  |

Product Details

- Damage Threshold up to >20 J/cm<sup>2</sup> @ 1064nm
- λ/4 and λ/2 Retardance
- Black Anodized Aluminum Mount
- UV to NIR Design Wavelengths Available

High Energy Quartz Waveplates are available in both λ/4 and λ/2 retardance for discrete laser wavelengths from the UV to NIR and can withstand energy densities up to >20 J/cm<sup>2</sup> at 1064nm. A large acceptance angle and wide operating temperature range enables these waveplates to be integrated into harsh environments applications. High Energy Quartz Waveplates are mounted in a black anodized aluminum housing for easy identification and system integration.