

## 25.4mm Dia., 1064nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#39-178** **2 In Stock**

-

1

+

€655<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €655,00 each                  |
| Qty 11+        | €610,00 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):          |

|                                            |  |                                                       |
|--------------------------------------------|--|-------------------------------------------------------|
| +0/-0.2                                    |  | Dimensional Tolerance (mm):                           |
| Optically Bonded on UVFS (C7980) Substrate |  | Construction:                                         |
| <3                                         |  | Parallelism (arcsec):                                 |
| Optical Properties                         |  |                                                       |
| R <sub>avg</sub> <0.2%                     |  | Coating:                                              |
| 1064                                       |  | Design Wavelength DWL (nm):                           |
| Crystalline Quartz                         |  | Substrate: <input type="checkbox"/>                   |
| λ/4                                        |  | Retardance:                                           |
| 20-10                                      |  | Surface Quality:                                      |
| <λ/10 @ 632.8nm                            |  | Transmitted Wavefront, P-V:                           |
| λ/300 @ 20°C                               |  | Retardance Tolerance:                                 |
| >20 J/cm <sup>2</sup> @ 1064nm, 10ns, 10Hz |  | Damage Threshold, By Design: <input type="checkbox"/> |
| 1st                                        |  | Retardance Order:                                     |
| Threading & Mounting                       |  |                                                       |
| 6 ±0.2                                     |  | Mount Thickness (mm):                                 |
| Regulatory Compliance                      |  |                                                       |
| Compliant                                  |  | RoHS 2015:                                            |
| View                                       |  | Certificate of Conformance:                           |
| Compliant                                  |  | Reach 247:                                            |

## 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.