

[See all 125 Products in Family](#)

## 12.7mm Dia. 514.5nm $\lambda/2$ Quartz Waveplate Multiple Order



Stock **#85-083** [CONTACT US](#)

- 1 + MRP ₹28,855

**i** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹28,855 each
Qty 6+	₹23,306 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Crystalline Waveplate **Type:**

### Physical & Mechanical Properties

8.00 **Clear Aperture CA (mm):**

12.70 +0.00/-0.25 **Diameter (mm):**

**Thickness (mm):**

6.40 +0.00/-0.25

Crystalline **Construction:**

<3 **Parallelism (arcsec):**

## Optical Properties

Laser V-Coat (514.5nm) **Coating:**

514.5 **Design Wavelength DWL (nm):**

Crystal Quartz **Substrate:** □

$\lambda/2$  **Retardance:**

10-5 **Surface Quality:**

$\lambda/10$  for central 80% of clear aperture **Transmitted Wavefront, P-V:**

$\pm\lambda/200$  **Retardance Tolerance:**

0.0015 **Temperature Coefficient ( $\lambda^\circ\text{C}$ ):**

Multiple Order **Retardance Order:**

## Regulatory Compliance

**Compliant** **RoHS 2015:**

[View](#) **Certificate of Conformance:**

**Compliant** **Reach 240:**

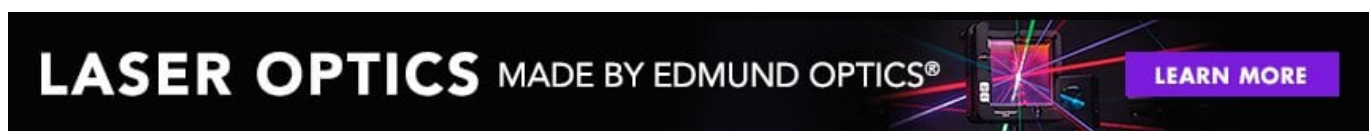
United States **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## Product Details

- Zero Order and Multiple Order Waveplates
- $\lambda/4$  and  $\lambda/2$  Retardance
- Mounted in Black Anodized Aluminum Frame
- [Zero Order Polymer Waveplates](#) Also Available

Quartz Waveplates (Retarders) are available in multiple order and zero order. These waveplates are ideal for a range of applications. Multiple order waveplates are ideal for applications where the wavelength deviates less than  $\pm 1\%$  from the design wavelength of the waveplate. For applications with a greater than  $\pm 1\%$  deviation, zero order waveplates are recommended due to their increased bandwidth and lower sensitivity to temperature change. Quartz Waveplates (Retarders) have the fast axis marked on the edge of the mount to ease system integration.



## Technical Information

