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25.4mm Dia., λ/2 at 532nm and λ/4 at 1064nm, Dual Wavelength Waveplate

Stock **#23-749** **10 In Stock**

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MRP **₹43,484**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	**₹43,484** each
Qty 6+	**₹39,549** each
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General

Type:

Dual Wavelength Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

18.0

Diameter (mm):

25.40 +0/-0.2

Dimensional Tolerance (mm):

+0/-0.2

Parallelism (arcsec):

<30

Optical Properties

Coating:

R<0.5% @ 532 & 1064nm

Design Wavelength DWL (nm):

532, 1064

Substrate:

Crystalline Quartz

Retardance:

λ/2 @ 532, λ/4 @ 1064

Surface Quality:

20-10

Transmitted Wavefront, P-V:

<λ/10 @ 632.8nm

Retardance Tolerance:

λ/100 @ 20 °C

Damage Threshold, By Design:

>5 J/cm^2 @ 1064 nm; 10 ns; 10 Hz

Retardance Order:

Multiple order

Threading & Mounting

Mount Thickness (mm):

6 ±0.2

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 247:

Compliant

Country of Origin:

Lithuania

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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Product Details

- λ/4 and λ/2 Retardance for Harmonic Separation
- Designed for Nd:YAG, Yb:YAG, or Ti:Sapphire Lasers
- Multiple Order Designs

Dual-Wavelength Quartz Waveplates are made with high-quality crystalline quartz substrates and offer λ/4 retardance at one wavelength and λ/2 retardance at a second wavelength. Featuring designed wavelengths for Nd:YAG (532 and 1064nm), Yb:YAG (515 and 1030nm), and Ti:Sapphire (400 and 800nm), these waveplates boast high laser damage threshold (LDT) and anti-reflective (AR) coatings for high powered laser applications. Dual-Wavelength Quartz Waveplates are mounted in a 25.4mm black anodized aluminum ring with an 18mm clear aperture. These waveplates are ideal for laser separation applications requiring increased conversion efficiency of dual-wavelength sources or Second-Harmonic Generation (SHG) lasers through management of polarization.

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