

[All Products](#) / [Optics](#) / [Polarization Optics](#) / [Retarders \(Waveplates\)](#) / [Polymer Waveplates](#)

Precision Achromatic Waveplates (Retarders)



- Broad Spectral Range
- $\lambda/100$ Retardance Accuracy
- $\lambda/4$ and $\lambda/2$ Retardance
- High Damage Threshold of 500 W/cm²

Common Specifications

Physical & Mechanical Properties

Clear Aperture CA (mm):	10.16	Diameter (mm):	25.40
Thickness (mm):	6.35 ±0.508	Dimensional Tolerance (mm):	±0.127
Construction:	Birefringent Polymer Stack		

Optical Properties

Substrate:	N-BK7		
Reflection (%):	0.5	Surface Quality:	40-20
Transmitted Wavefront, P-V:	λ/4 @ 632.8nm	Retardance Tolerance:	λ/100
Beam Deviation (arcmin):	1.00	Damage Threshold, By Design:	500 W/cm ²

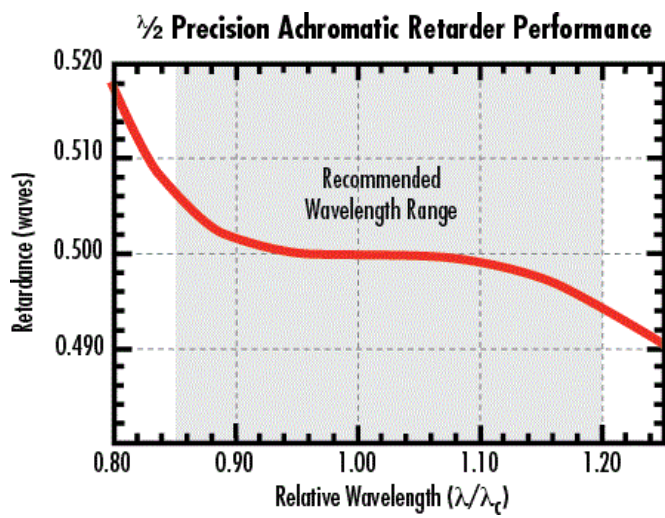
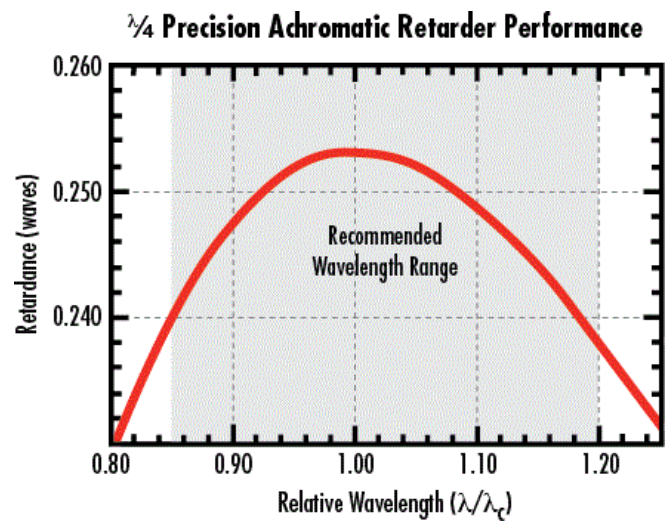
Threading & Mounting

Mount Thickness (mm):	6.35
-----------------------	------

Environmental & Durability Factors

Operating Temperature (°C):	-20 to +50
-----------------------------	------------

Technical Information



Products

Retardance	Wavelength Range (nm)	CA (mm)	Dia. (mm)	Type	Surface Quality	Stock Number	Price	Buy
$\lambda/2$	485 - 630	10.16	25.40	Achromatic Waveplate	40-20	#49-227	A\$1,886.96 Volume Pricing	2 In Stock
$\lambda/2$	630 - 835	10.16	25.40	Achromatic Waveplate	40-20	#49-228	A\$1,886.96 Volume Pricing	1 In Stock
$\lambda/2$	735 - 985	10.16	25.40	Achromatic Waveplate	40-20	#49-229	A\$1,886.96 Volume Pricing	1 In Stock
$\lambda/4$	485 - 630	10.16	25.40	Achromatic Waveplate	40-20	#49-232	A\$1,886.96 Volume Pricing	Contact Us
$\lambda/4$	630 - 835	10.16	25.40	Achromatic Waveplate	40-20	#49-233	A\$1,886.96 Volume Pricing	1 In Stock
$\lambda/4$	735 - 985	10.16	25.40	Achromatic Waveplate	40-20	#49-234	A\$1,886.96 Volume Pricing	1 In Stock
$\lambda/4$	920 - 1240	10.16	25.40	Achromatic Waveplate	40-20	#49-235	A\$1,886.96 Volume Pricing	1 In Stock



Copyright 2024, Edmund Optics Singapore Pte. Ltd, 18 Woodlands Loop #04-00, Singapore 738100
[PRIVACY POLICY](#) [COOKIE POLICY](#) [TERMS & CONDITIONS](#)

Phone: 1-800-363-1992 :
www.edmundoptics.com