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Crystalline Quartz Polarization Rotators



- Rotates Polarization by a Fixed Angle Regardless of Incident Polarization Angle
- Convenient Replacement of Half-Waveplate for Narrow Waveband Lasers
- 1064nm, 532nm, and 355nm Anti-Reflection Coatings Available in Both 45° and 90° Rotation Angles

Common Specifications

Physical & Mechanical Properties

Clear Aperture CA (mm):	>18.0	Diameter (mm):	25.40
Length (mm):	25.40	Construction:	Crystalline
Parallelism (arcsec):	<10	Rotational Accuracy:	<5 arcmin

Optical Properties

Coating:	$R_{avg} < 0.2\%$ per surface	Substrate:	Crystalline Quartz
Surface Quality:	20-10	Transmitted Wavefront, P-V:	$\lambda/8$ @ 633nm
Damage Threshold, By Design:	$>10 \text{ J/cm}^2$ @ 10ns		

Threading & Mounting

Mount:	Black Anodized Aluminum
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Technical Information

Products

DWL (nm)	CA (mm)	Dia. (mm)	Type	Surface Quality	Transmitted Wavefront, P-V	Stock Number	Price	Buy
1064	>18.0	25.40	Polarization Rotator	20-10	$\lambda/8$ @ 633nm	#34-305	€371,83 Volume Pricing	Contact Us
1064	>18.0	25.40	Polarization Rotator	20-10	$\lambda/8$ @ 633nm	#34-306	€525,30 Volume Pricing	Contact Us
532	>18.0	25.40	Polarization Rotator	20-10	$\lambda/8$ @ 633nm	#34-307	€371,83 Volume Pricing	Contact Us
532	>18.0	25.40	Polarization Rotator	20-10	$\lambda/8$ @ 633nm	#34-308	€525,30 Volume Pricing	1 In Stock



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