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High Energy Quartz Waveplates



- Damage Threshold up to $>20 \text{ J/cm}^2$ @ 1064nm
- $\lambda/4$ and $\lambda/2$ Retardance
- Black Anodized Aluminum Mount
- UV to NIR Design Wavelengths Available

Common Specifications

Physical & Mechanical Properties

Dimensional Tolerance (mm):	+0/-0.2	Construction:	Optically Bonded on UVFS (C7980) Substrate
Parallelism (arcsec):	<3		

Optical Properties

Substrate:	Crystalline Quartz		
Surface Quality:	20-10	Transmitted Wavefront, P-V:	$<\lambda/10$ @ 632.8nm
Damage Threshold, By Design:	$>20 \text{ J/cm}^2$ @ 1064nm, 10ns, 10Hz		

Threading & Mounting

Mount Thickness (mm):	6 $\pm$ 0.2
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Technical Information

Products

Retardance	DWL (nm)	CA (mm)	Dia. (mm)	Type	Surface Quality	Stock Number	Price	Buy
$\lambda/2$	355	8.0	12.70	High Energy Waveplate	20-10	#25-447	€581,95 Volume Pricing	3 In Stock
$\lambda/4$	355	8.0	12.70	High Energy Waveplate	20-10	#25-448	€581,95 Volume Pricing	5 In Stock
$\lambda/2$	532	8.0	12.70	High Energy Waveplate	20-10	#25-449	€581,95 Volume Pricing	Contact Us
$\lambda/4$	532	8.0	12.70	High Energy Waveplate	20-10	#25-450	€581,95 Volume Pricing	Contact Us
$\lambda/2$	1030	8.0	12.70	High Energy Waveplate	20-10	#25-451	€581,95 Volume Pricing	5 In Stock
$\lambda/4$	1030	8.0	12.70	High Energy Waveplate	20-10	#25-452	€581,95 Volume Pricing	Contact Us
$\lambda/2$	1064	8.0	12.70	High Energy Waveplate	20-10	#25-453	€581,95 Volume Pricing	Contact Us
$\lambda/4$	1064	8.0	12.70	High Energy Waveplate	20-10	#25-454	€581,95 Volume Pricing	5 In Stock
$\lambda/4$	266	18.0	25.40	High Energy Waveplate	20-10	#39-160	€798,25 Volume Pricing	Contact Us
$\lambda/2$	266	18.0	25.40	High Energy Waveplate	20-10	#39-161	€798,25 Volume Pricing	2 In Stock
$\lambda/4$	343	18.0	25.40	High Energy Waveplate	20-10	#39-162	€798,25 Volume Pricing	1 In Stock
$\lambda/2$	343	18.0	25.40	High Energy Waveplate	20-10	#39-163	€798,25 Volume Pricing	2 In Stock

$\lambda/4$	355	18.0	25.40	High Energy Waveplate	20-10	#39-164	€798,25 Volume Pricing	Contact Us
$\lambda/2$	355	18.0	25.40	High Energy Waveplate	20-10	#39-165	€798,25 Volume Pricing	Contact Us
$\lambda/4$	400	18.0	25.40	High Energy Waveplate	20-10	#39-166	€798,25 Volume Pricing	Contact Us
$\lambda/2$	400	18.0	25.40	High Energy Waveplate	20-10	#39-167	€798,25 Volume Pricing	1 In Stock
$\lambda/4$	515	18.0	25.40	High Energy Waveplate	20-10	#39-168	€798,25 Volume Pricing	1 In Stock
$\lambda/2$	515	18.0	25.40	High Energy Waveplate	20-10	#39-169	€798,25 Volume Pricing	2 In Stock
$\lambda/4$	532	18.0	25.40	High Energy Waveplate	20-10	#39-170	€798,25 Volume Pricing	1 In Stock
$\lambda/2$	532	18.0	25.40	High Energy Waveplate	20-10	#39-171	€798,25 Volume Pricing	2 In Stock
$\lambda/4$	780	18.0	25.40	High Energy Waveplate	20-10	#39-172	€798,25 Volume Pricing	1 In Stock
$\lambda/2$	780	18.0	25.40	High Energy Waveplate	20-10	#39-173	€798,25 Volume Pricing	1 In Stock
$\lambda/4$	800	18.0	25.40	High Energy Waveplate	20-10	#39-174	€798,25 Volume Pricing	1 In Stock
$\lambda/2$	800	18.0	25.40	High Energy Waveplate	20-10	#39-175	€798,25 Volume Pricing	3 In Stock
$\lambda/4$	1030	18.0	25.40	High Energy Waveplate	20-10	#39-176	€798,25 Volume Pricing	2 In Stock
$\lambda/2$	1030	18.0	25.40	High Energy Waveplate	20-10	#39-177	€798,25 Volume Pricing	4 In Stock

$\lambda/4$	1064	18.0	25.40	High Energy Waveplate	20-10	#39-178	€798,25 Volume Pricing	2 In Stock
$\lambda/2$	1064	18.0	25.40	High Energy Waveplate	20-10	#39-179	€798,25 Volume Pricing	1 In Stock
$\lambda/4$	1550	18.0	25.40	High Energy Waveplate	20-10	#39-180	€798,25 Volume Pricing	1 In Stock
$\lambda/2$	1550	18.0	25.40	High Energy Waveplate	20-10	#39-181	€798,25 Volume Pricing	1 In Stock



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