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waveplate

EN ∨

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**High Power Polarizat...**



**45Deg Polarization B...**



**56Deg Polarization B...**

Products

Optical Element (/optical-element/en.html)

▶ Polarizing Optic (/polarizing-optic/en.html)

▶ Waveplate (/waveplate/en.html)

Polarizer (/polarizer/en.html)

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Quartz Polarization

Rotator (https://www.u-optic.com/quartz-polarization-rotator/en.html)

Optical Isolator (https://www.u-optic.com/optical-isolator/en.html)

Crystal (/crystal/en.html)



Single Plate High Power Waveplate (/products/en.html) > Products (/products/en.html) > Polarizing Optic (/polarizing-optic/en.html) > Waveplate (/waveplate/en.html)

Union Optic can offer single plate high power waveplate now, due to our unique technology, we can make thickness down to 20 microns. Thanks to her high damage threshold, single plate high power waveplate is normally used in high power application.

- ★ Mounted in Ø25.4x6mm Black Anodized Ring Mount
- ★ High Damage Threshold
- ★ Better Temperature Bandwidth
- ★ Wide Wavelength Bandwidth
- ★ Wide Acceptance Angle
- ★ Thickness >=0.02mm
- ★ RoHS Compliant

Specifications    Curve    Selection Guide    Feedback

Material	Crystal Quartz
Dimension Tolerance	+0.0/-0.2mm
Surface Quality	20/10 scratch and dig
Clear Aperture	>90% central area
Wavefront Distortion	<λ/8@632.8nm
Parallelism	<1 arc second
Acceptance Angle	10deg
Retardation Tolerance	<λ/300
AR Coating	R<0.25%@central wavelength



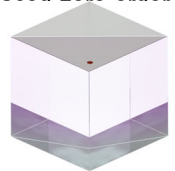
Glan Laser Polarizer



Multi Order Waveplat...



Air Spaced Zero Orde...



High Power Polarizat...

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Fiber Optical Component

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Damage Threshold >10J/cm<sup>2</sup>, 20ns, 20Hz @1064nm

### Standard Product

Show  entries
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Docs	Part Number	Wavelength[nm]	Retardation[λ]	Order	Diameter[mm]	Stock	Cart
	WPS2120-355-M25.4 (/uo-164/wps2120-355-m25.4.html)	355	λ/2	0	1	0	<input type="button" value="Add to cart"/>
	WPS2120-532-M25.4 (/uo-164/wps2120-532-m25.4.html)	532	λ/2	6	1	6	<input type="button" value="Add to cart"/>
	WPS2120-1030-M25.4 (/uo-164/wps2120-1030-m25.4.html)	1030	λ/2	13	1	13	<input type="button" value="Add to cart"/>
	WPS2120-1064-M25.4 (/uo-164/wps2120-1064-m25.4.html)	1064	λ/2	8	1	8	<input type="button" value="Add to cart"/>
	WPS4120-355-M25.4 (/uo-164/wps4120-355-m25.4.html)	355	λ/4	0	1	0	<input type="button" value="Add to cart"/>
	WPS4120-532-M25.4 (/uo-164/wps4120-532-m25.4.html)	532	λ/4	0	1	0	<input type="button" value="Add to cart"/>
	WPS4120-1030-M25.4 (/uo-164/wps4120-1030-m25.4.html)	1030	λ/4	1	1	1	<input type="button" value="Add to cart"/>
	WPS4120-1064-M25.4 (/uo-164/wps4120-1064-m25.4.html)	1064	λ/4	17	1	17	<input type="button" value="Add to cart"/>

Showing 1 to 8 of 8 entries

### Frequently Used Product

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Docs	Part Number ↓	Wavelength[nm] ↑	Retardation[λ] ↑	Order ↑	Diameter[mm] ↑	Stock	Cart
	3010080065 (/uo-164/3010080065.html)	800	λ/2		0	3	1 <input type="button" value="Add to cart"/>
	3010080067 (/uo-164/3010080067.html)	1064	λ/4		0	11	1 <input type="button" value="Add to cart"/>
	3010080068 (/uo-164/3010080068.html)	800	λ/2		0	22	1 <input type="button" value="Add to cart"/>
	3010080069 (/uo-164/3010080069.html)	1310	λ/4		0	2	1 <input type="button" value="Add to cart"/>
	3010080071 (/uo-164/3010080071.html)	326	λ/2		1	25	1 <input type="button" value="Add to cart"/>
	3010080072 (/uo-164/3010080072.html)	326	λ/4		1	1	1 <input type="button" value="Add to cart"/>
	3010080073 (/uo-164/3010080073.html)	326	λ/4		1	5	1 <input type="button" value="Add to cart"/>
	3010080074 (/uo-164/3010080074.html)	813	λ/2		0	17	1 <input type="button" value="Add to cart"/>

Showing 1 to 10 of 60 entries(Only show items in stock)

Previous       Next

### Build Your Own Optics

Wavelength[nm]	Retardation[λ]	Order	Diameter[mm]	Thickness[mm]	Material	Cart
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	- 1 + <input type="button" value="Add to cart"/>

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Enter your request here and then add to cart

### Related Product



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