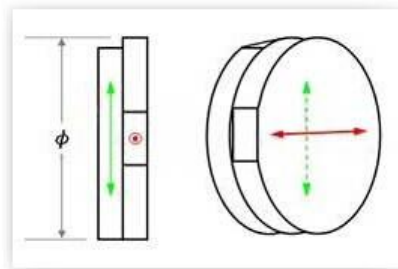


## Achromatic Waveplates

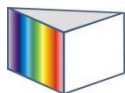
**Achromatic waveplate or retarders** is made from two different substrate materials such as crystal quartz and magnesium fluoride. For the single material waveplates the working wavelength is very limited because of the dispersion of the material. While Achromatic Waveplate use two different kinds of material, the dispersions of the birefringence are also different. Hence such waveplate is not sensitive to the wavelength change.

Hangzhou Shalom EO offers the custom **achromatic waveplates** or retarders upon customer's request, and the stocked modules are available in fast delivery and low cost.



## Specifications

Specifications	
Material	Quartz+MgF2
Wavefront Distortion	350~2100 nm,
Dimension Tolerance	+/-0.1mm
Surface Quality	20 / 10
Parallelism	<1 arc Sec
Retardation Tolerance	< λ/100
Clear Aperture	>90%
Damage Threshold	>500 MW/cm <sup>2</sup>
Coating	AR Coating
Mount	Black Anodized Aluminium



**Standard Wavelength:**

460-650nm; 550-750nm; 650-1000nm; 900-2100nm

<b>Quarter Waveplates P/N#</b>	<b>Half Waveplates P/N#</b>	<b>Diameter (mm )</b>
WPB410	WPB210	10
WPB412	WPB212	12.7
WPB415	WPB215	15
WPB420	WPB220	20
WPB425	WPB225	25
WPB430	WPB230	30