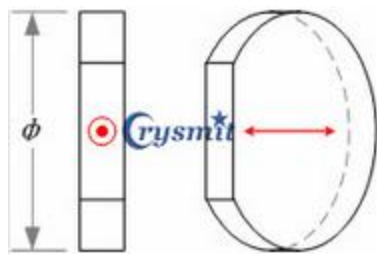


Low Order (Multi - Order)Waveplate

The low(multiple) order waveplate is designed to give a retardance of several full waves, plus the desired fraction. This result in a single, physically robust component with desired performance. However, even small changed in wavelength or temperature will result in significant changes in the desired fractional retardance. They are less expensive and find use in many application where the increased sensitivities are not an important.



Attribute	Specification
Material	Quartz
Typical Diameter (Φmm)	10.0, 12.7, 15.0, 20.0, 25.4, 30.0
Diameter Tolerance (mm)	+0.0/-0.2
Wavefront distortion	$\lambda/8@633\text{nm}$
Retardation tolerance	$<\lambda/300$ (General), $<\lambda/500$ (High Precision)
Parallelism	$<3\text{arc second}$. (General) , $<1\text{ arc second}$.(High Precision)
Surface Quality	20/10
Clear Aperture	Central 90%
Coating	$<0.2\%$ @wavelength

Standard Wavelength:

266nm	355nm	400nm	532nm	632.8nm	780nm	800nm
808nm	980nm	1064nm	1310nm	1480nm	1550nm	1800nm

Note for waveplate:

- (1).Other wavelengths within the range of 200-2300nm are also available upon request.
- (2).Holder: To use the rotating holder is available upon request.