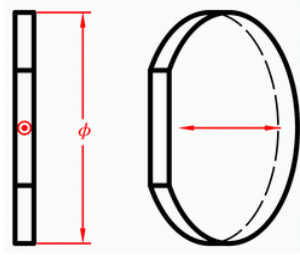


Multi-Order Waveplate



EastOptics offers both quarter- and half-wave multi-order wave plates. Compared to the zero-order waveplates ($m=0$), the m of multi-order waveplates is between 6 and 12. Its retardation will be more sensitive to wavelength and temperature changes. Our multi-order wave plates are available for a number of discrete wavelengths ranging from 266 nm to 1550 nm.

Specifications:

Material.....Crystal Quartz
 Dimension Tolerance.....+0.0/-0.2mm
 Wavefront Distortion..... $\lambda/8@632.8\text{nm}$
 Retardation Tolerance..... $\lambda/300$
 Parallelism.....<1 arc second
 Surface Quality.....20-10
 Clear Aperture.....>90% central area
 AR Coating..... $R < 0.25\%$ @central wavelength
 Damage Threshold.....>5J/cm², 10ns, 10Hz

P/N	Type	Φ	λ
70701	$\lambda/4$	12.70	532nm
70702	$\lambda/4$	25.40	532nm
70703	$\lambda/4$	12.70	632.8nm
70704	$\lambda/4$	25.40	632.8nm
70705	$\lambda/2$	12.70	532nm
70706	$\lambda/2$	25.40	532nm
70707	$\lambda/2$	12.70	632.8nm
70708	$\lambda/2$	25.40	632.8nm

- Dimension unit:mm
- Other sizes and coatings are available upon request.