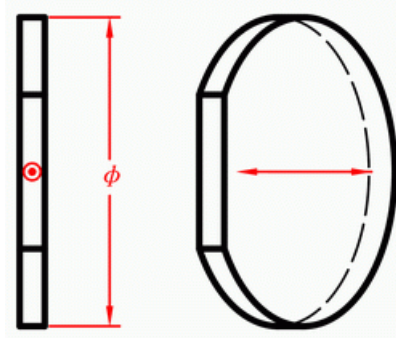


Low Order Waveplate



Low Order Waveplates are much better than the multi-order wave-plates because of its thinner thickness (less than 0.5 mm). Better temperature (38°C), Wavelength (1.5 nm) and incident angle (4.5°) bandwidth and high damage threshold make it widely used in common application. Also it is economical.

Specification:

Material.....Crystal Quartz

Dimension Tolerance.....+0.0, -0.2 mm

Wavefront Distortion..... $\lambda/8$ @ 632.8 nm

Retardation Tolerance..... $<\lambda/300$

Parallelism..... <1 arc second

Surface Quality.....20-10

Coating.....AR coating on both sides, $R < 0.25\%$ @ λ , AOI 0°

Damage Threshold..... $>2.5\text{J}/\text{cm}^2, 10\text{ns}, 10\text{Hz}$

P/N	Type	Φ	λ
70601	$\lambda/4$	12.70	532nm
70602	$\lambda/4$	25.40	532nm
70603	$\lambda/4$	12.70	632.8nm
70604	$\lambda/4$	12.70	632.8nm
70605	$\lambda/2$	12.70	532nm
70606	$\lambda/2$	25.40	532nm
70607	$\lambda/2$	12.70	632.8nm
70608	$\lambda/2$	25.40	632.8nm

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