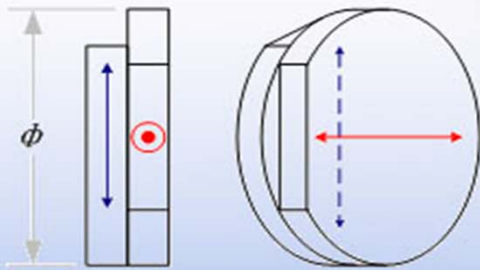


Optically Contacted Zero Order Waveplate

Optically Contacted zero order waveplate is constructed by two quartz plates with their fast axis crossed, the two plates are constructed by optically contacted method, the optical path is epoxy free. The difference in thickness between the two plates determines the retardance. Zero order waveplates offer a substantially lower dependence on temperature and wavelength change than multi-order waveplates.

- ★ High Damage Threshold
- ★ Better Temperature Bandwidth
- ★ Wide Wavelength Bandwidth
- ★ Both Sides AR Coated
- ★ RoHS Compliant

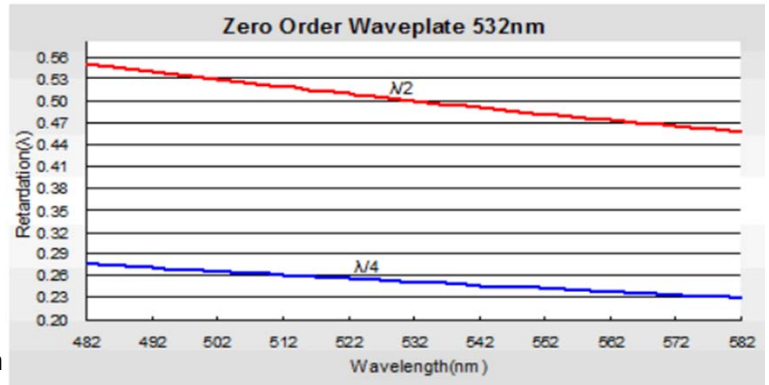


Quartz+Quartz



Specifications

| | |
|-------------------------------|--|
| 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(for single plate) | <1 arc second |
| Retardation Tolerance | <λ/300 |
| AR Coating | R<0.25%@central wavelength |
| Damage Threshold | >5J/cm ² , 20ns, 20Hz @1064nm |

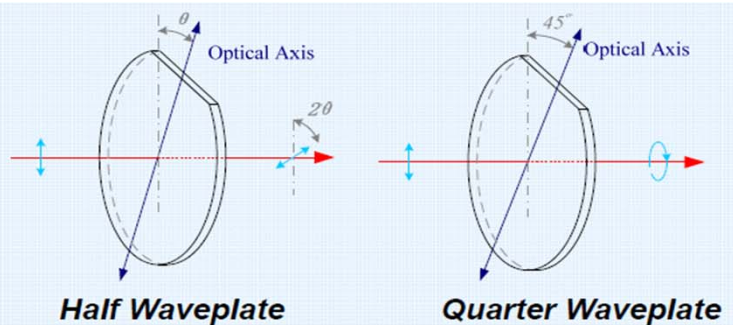


Standard Retardation: half and quarter waveplate

Standard Wavelength:

| | | | | | |
|------|------|------|------|-------|------|
| 213 | 248 | 266 | 308 | 355 | 405 |
| 488 | 515 | 532 | 546 | 632.8 | 780 |
| 795 | 800 | 852 | 894 | 980 | 1028 |
| 1030 | 1047 | 1053 | 1064 | 1310 | 1550 |

Custom Waveplate: Upon Request



Half Waveplate

Quarter Waveplate

