Dual-Wavelength Waveplates

For a given plate thickness a low order waveplate will operate as a 1/4 wave, 1/2 wave and full wave plate at different wavelengths. By careful selection of the thickness it is possible to achieve dual order plate providing different retardation at different wavelengths. We provides two standard: 1/2 wave at 532 nm, full wave at 1064 nm and full wave at 532nm , 1/2 wave at 1064 nm.others are available on a custom basis.

Specifications：

- Materials： **Crystal Quartz**
- Retardation @λ1 ： λ/2
- Retardation @λ2 ： λ
- Diameter Tolerance： +0/-0.20 mm
- Wavefront distortion： λ/8 over central 80% of aperture at 632.8 nm
- Parallelism： 1 arc second
- Surface Quality： 20/10 scratch and dig
- AR/AR Coating： R<0.25% per surface