

## Waveplates

### Features:

- Tight Axis Orientation Tolerance
- High Surface Quality
- Tight Retardation Tolerance
- Small Size

### Applications:

- Polarization Management

### Specifications:

Parameter	Unit	Specification
Material		Crystal quartz
X, Y, $\theta$		According to request
Dimension Tolerance	mm	+0.0/-0.1
Retardation Tolerance		$< \lambda / 500$
Wavefront Distortion		$\lambda / 8 @ 632.8\text{nm}$
Wavelength Range	nm	1310,1550,or others
Chip	mm	$< 0.05$
Parallelism	arc second	$< 1$
Coating		AR Coating, $R < 0.15\%$ at central wavelength
Axis Orientation Tolerance	degree	0.5
Surface Quality (scratch/dig)		20/10
Type		$1/4 \lambda$ , $1/2 \lambda$

