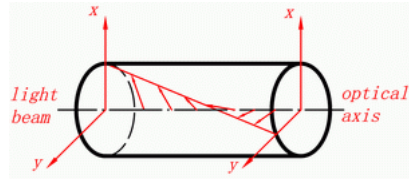


Rotator



The plane of polarization of linearly polarized light will be rotated by Quartz Crystal due to the optical activity. Eastoptics's polarization rotators have very high temperature bandwidth and can be easily used in rotating the polarization of lasers.

Specification:

Material.....Crystal Quartz
 Dimension Tolerance.....+0.0, -0.1mm
 Optical Angle Orientation Tolerance..... $\pm 0.1^\circ$
 Rotation Accuracy.....< 5 arc minutes
 Wavefront Distortion..... $\lambda/4$ @632.8nm
 Wavelength Range.....350-1300nm
 Parallelism.....< 10 arc second
 Surface Quality.....20-10 scratch and dig
 Coating.....Uncoated or AR, $R < 0.2\%$ at central wavelength
 Rotation.....clockwise or counter-clockwise
 Standard Wavelength.....532nm,632.8nm,808nm,1064nm

P/N	Φ	λ	θ	Coating
71001	12.70	532nm	45°	-
71002	20.00	532nm	45°	-
71003	12.70	532nm	90°	-
71004	20.00	532nm	90°	-
71005	12.70	532nm	45°	AR
71006	20.00	532nm	45°	AR
71007	12.70	532nm	90°	AR
71008	20.00	532nm	90°	AR
71009	12.70	632.8nm	45°	-
71010	20.00	632.8nm	45°	-
71011	12.70	632.8nm	90°	-
71012	20.00	632.8nm	90°	-
71013	12.70	632.8nm	45°	AR
71014	20.00	632.8nm	45°	AR
71015	12.70	632.8nm	90°	AR
71016	20.00	632.8nm	90°	AR

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