

**Features**

- Made of high quality synthetic quartz crystal
- Available with large size aperture
- Design for reduction of phase retardation dispersion is available

**Applications**

- LCD projector
- Various test equipment
- Various laser devices
- Optical unit for manufacturing equipment

**Specifications**

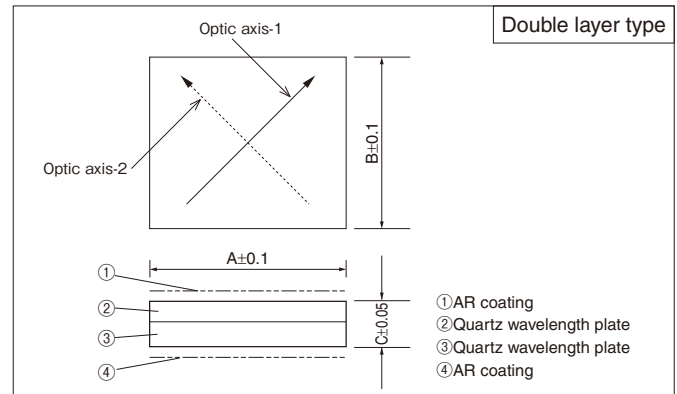
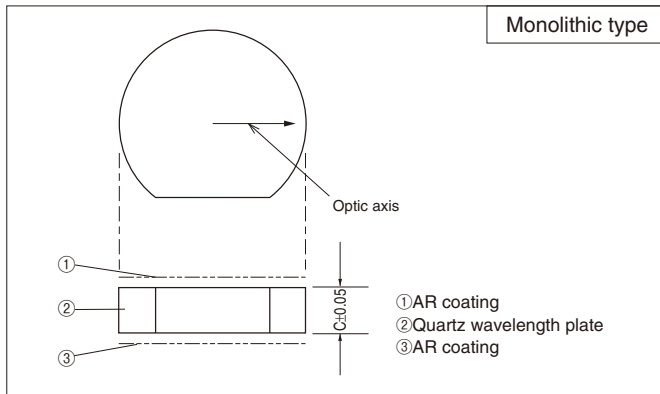
Specifications	Type	Monolithic Quarter Wavelength Plate	Double Layer Quarter Wavelength Plates	Monolithic Half Wavelength Plate	Double Layer Half Wavelength Plates
Phase retardation		90°±5° (at the center of wavelength)		180°±5° (at the center of wavelength)	
Crystal plate azimuth		Y-cut or X-cut		Y-cut or X-cut	
Wavelength		420 to 1100nm		420 to 1100nm	
Optic axis tolerance		±1°		±1°	
Outline dimensions		φ20 to 30mm, 10 to 40mm square		φ20 to 30mm, 10 to 40mm square	
Thickness		≒ 2.0mm	0.4 to 1.0mm	≒ 2.0mm	0.4 to 1.0mm
Angle of incident		Vertical		Vertical	
Transmittance		More than 98% (AR coating on both surface)		More than 98% (AR coating on both surface)	
Wave front aberration		On discussion		On discussion	

\* Please consult us for specifications other than the above.

\* Heat cooling plate is available.

**Dimensions**

(Unit: mm)



**Anti-reflection Coating Characteristics (Example)**

