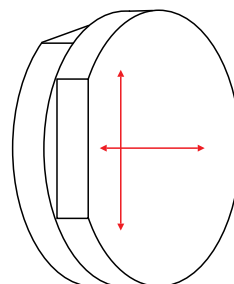


Achromatic Waveplate

Applications:

- Projector
- Optical Measurement Systems
- Tunable Lasers



Capability

Attribute	Commercial	High Precision
Material	Quartz and MgF2	Quartz and MgF2
Typical Dimension ϕ (mm)	10, 12.7, 20, 25.4	10, 12.7, 20, 25.4
Diameter Tolerance (mm)	+0.00/-0.1	+0.00/-0.03
Retardation Tolerance	$<1/100$	$<\lambda/200$
Parallelism (arc sec)	<10	<5
Flatness (per 25mm@632.8nm)	$1/4$	$\lambda/10$
Surface Quality (scratch/dig)	20-10	10-5
Bevel (face width x 45° mm)	0.2~0.5	0.05~0.2
Coating	Wavelength: customer specified, Reference to pages 65-75 Single wavelength AR: $R \leq 0.25\%$ per surface Broadband AR: $R \leq 0.5\%$ per surface	

