

Zero Order Waveplates

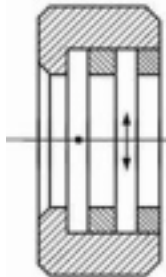
Zero-Order Waveplates (Retarders)

Zero-Order or First-Order Waveplates (also known as Retardation Plates or Retarders) change the state of polarization of a light beam passing through it. These plates are constructed of two, crystal quartz plates with orientation of orthogonal optical axes.

- **Laser Quality Crystal Quartz, C-axis cut**
- **Standard Air spaced construction**
- **Standard Wavelengths**
- **1/4 and 1/2 Wave Retardation**
- **Wavefront Distortion $\lambda/10$ @ 632.8nm**
- **Surface quality of 10/5 (S/D)**
- **Parallelism (Wedge) of 0.5 arc seconds**
- **AR Coating < 0.25% per surface**
- **Damage Threshold of >500MW/cm² in 10ns pulse and 5J/cm² (CW)**



Dia Mounted (mm)	Dia Unmounted (mm)	Clear Aperture (mm)	Standard Wavelengths (nm)
12.7 mm (+0.0/-0.15)	11mm	8mm	488, 532, 632.8, 650, 670, 780, 800, 808, 810, 850, 905, 980, 1064, 1310, 1550
25.4 mm (+0.0/-0.25)	17.5 mm	15mm	
30mm	25.4mm	23mm	
Mounted in Black Anodized Cell			
Other wavelengths available			



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