

Rotating Retarder Modules

Retarders are mounted on a precision 360 degree rotation fixture. The mount has degree marks and a recordable scale with 1.5 degree precision. The modules are AR coated and fit so that they only contribute 0.1dB additional IL per component. Modules can be removed and replaced with no change in IL. Quarter- and half-wave modules can be added to create polarization controllers, PM fiber launch systems, and other devices.

Zero-Order

The Zero-Order retarder module is a compound plate design with an epoxy-free beam path. The plates are air-spaced to provide a high-power beam path that has excellent wavefront and minimum beam deviation.

Features

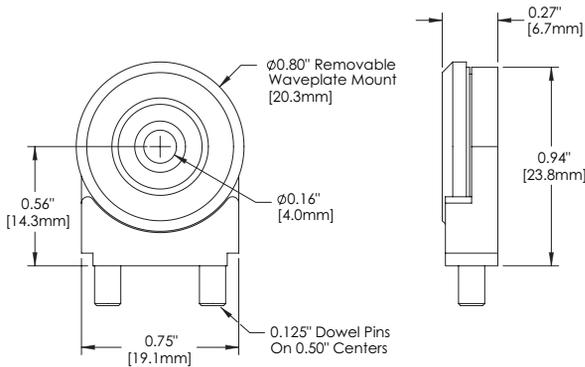
- Compound Plate Design
- Air-Spaced Construction
- Crystal Quartz
- High-Power Applications
- Epoxy-Free Beam Path
- Engraved Angle Index

Achromatic

The Achromatic retarder module is a compound plate design using Crystal Quartz and MgF₂. The plates are air-spaced to provide a high-power beam path that has excellent wavefront and minimum beam deviation. Achromatic retarders are best for applications that have greater than 20nm bandwidths.

Features

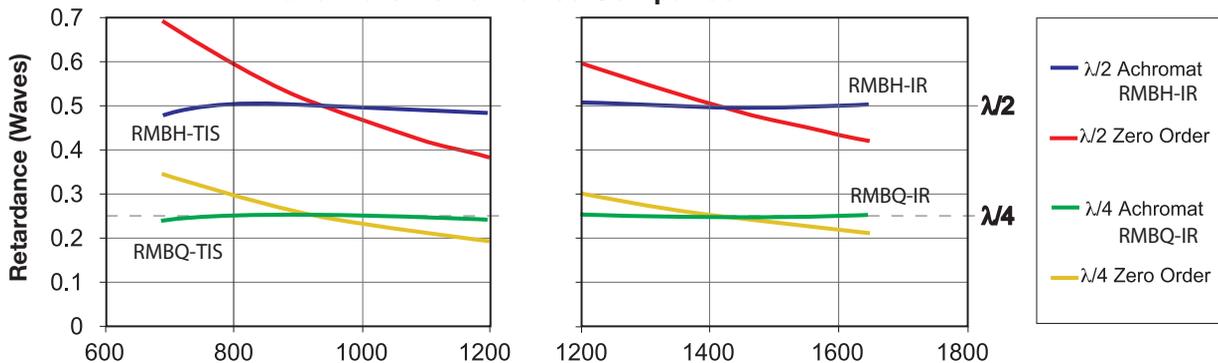
- Compound Plate Design
- Air-Spaced Construction
- Crystal Quartz and MgF₂
- High-Power Applications
- Epoxy-Free Beam Path
- Engraved Angle Index
- Flat Spectral Response



Specifications

- Aperture: 4mm
- Beam Deviation: < 1 arcmin
- Wavefront Error: < λ/10
- Scratch Dig: 20-10
- 360° Rotation
- 1.5° Measurement Precision

Wave Plate Performance Comparison



Rotating Zero-Order Retarder Modules

ITEM# λ/4	ITEM# λ/2	\$	£	€	RMB	DESCRIPTION
RZBQ-633	RZBH-633	\$ 395.00	£ 248.90	€ 367,40	¥ 3,772.30	Rotating Zero-Order Wave Plate for 633nm
RZBQ-780	RZBH-780	\$ 395.00	£ 248.90	€ 367,40	¥ 3,772.30	Rotating Zero-Order Wave Plate for 780nm
RZBQ-800	RZBH-800	\$ 395.00	£ 248.90	€ 367,40	¥ 3,772.30	Rotating Zero-Order Wave Plate for 800nm
RZBQ-850	RZBH-850	\$ 395.00	£ 248.90	€ 367,40	¥ 3,772.30	Rotating Zero-Order Wave Plate for 850nm
RZBQ-1064	RZBH-1064	\$ 395.00	£ 248.90	€ 367,40	¥ 3,772.30	Rotating Zero-Order Wave Plate for 1064nm
RZBQ-1550	RZBH-1550	\$ 395.00	£ 248.90	€ 367,40	¥ 3,772.30	Rotating Zero-Order Wave Plate for 1550nm

Rotating Achromatic Retarder Modules

ITEM# λ/4	ITEM# λ/2	\$	£	€	RMB	DESCRIPTION
RMBQ-TIS	RMBH-TIS	\$ 500.00	£ 315.00	€ 465,20	¥ 4,775.00	Rotating Achromatic Wave Plate, Spectral Range 780-1170nm
RMBQ-IR	RMBH-IR	\$ 500.00	£ 315.00	€ 465,20	¥ 4,775.00	Rotating Achromatic Wave Plate, Spectral Range 1200-1700nm

Passive Components

Collimation Packages

FiberBench

Optical Switches

Rackbox Systems

Connectors/
Termination Tools

Single-Mode Fiber

Rare Earth Doped

Single-Mode: PM

Photonic
Crystal Fiber

Multimode Fiber:
Graded Index

Multimode Fiber:
Step Index

Plastic Optical Fiber

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