

▼ CHAPTERS

Fiber Patch
Cables

Bare Fiber

Fiber
OptomechanicsFiber
ComponentsTest and
Measurement

▼ SECTIONS

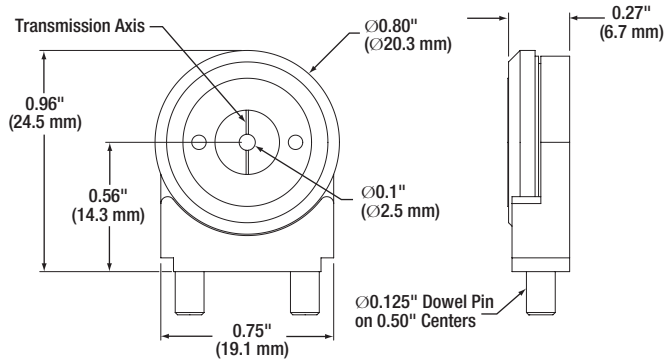
FiberBench

FiberPorts

Fiber Launch
Platforms

Fiber Adapters

Rotating Linear Polarizer Modules



Please refer to our website for complete models and drawings.



PCB-2.5-1310

Specifications

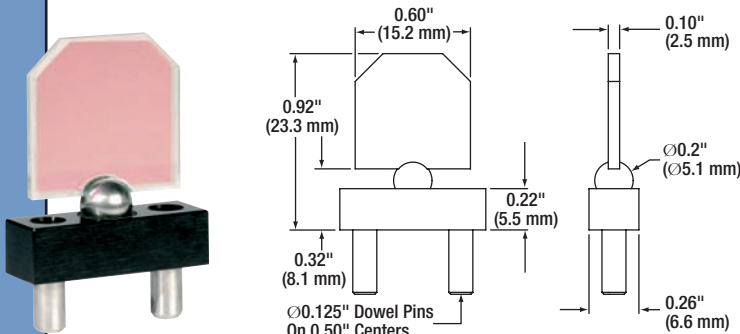
- Thin Film Linear Polarizer
- AR Coated
- 10,000:1 Extinction Ratio
- Wavefront Error < $\lambda/10$
- Ø2.5 mm Apertures
- 360° Continuous Rotation
- 1.5° Measurement Precision
- Magnetic Mount for Smooth Rotation

These polarizer modules use dichroic film polarizers that absorb light not aligned to the transmission axis of the polarizer. They provide an excellent extinction ratio, and have a power handling capability of 500 mW spread over the aperture.

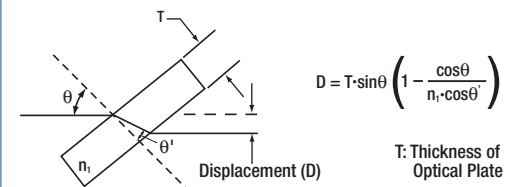
ITEM #	\$	£	€	RMB	APERTURE	WAVELENGTH	TRANSMISSION	EXTINCTION RATIO
PCB-2.5-VIS	\$ 175.00	£ 126.00	€ 152,25	¥ 1,394.75	Ø2.5 mm	440 - 650 nm	>80%	>40 dB
PCB-2.5-NIR	\$ 175.00	£ 126.00	€ 152,25	¥ 1,394.75	Ø2.5 mm	750 - 870 nm	>93%	>40 dB
PCB-2.5-YAG	\$ 175.00	£ 126.00	€ 152,25	¥ 1,394.75	Ø2.5 mm	970 - 1100 nm	>96%	>45 dB
PCB-2.5-1310	\$ 175.00	£ 126.00	€ 152,25	¥ 1,394.75	Ø2.5 mm	1270 - 1350 nm	>97%	>45 dB
PCB-2.5-1550	\$ 175.00	£ 126.00	€ 152,25	¥ 1,394.75	Ø2.5 mm	1500 - 1600 nm	>98%	>45 dB

X-Y Tweaker Module

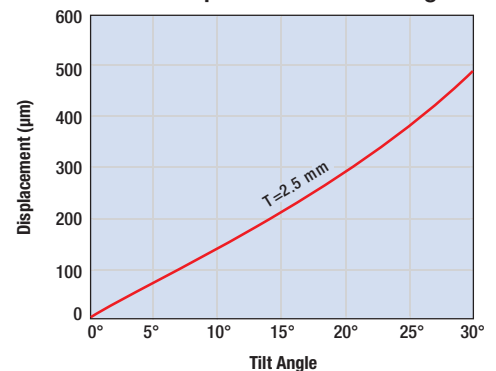
The XY Tweaker Module consists of a precision-polished, AR-coated, plane-parallel plate mounted on a magnetic ball and socket. The plates are offered with a thickness of 2.5 mm and can be rotated and tilted in nearly any orientation. The beam is consequently displaced parallel to the optical axis by as much as 500 μm . Tilting beyond 30° can cause insertion loss because of the angular dependence of the AR coating. If the beam wanders or drifts in your system, the Tweaker Module offers very quick XY beam adjustment. Adjustments as small as a few microns are achievable.



Please refer to our website for complete models and drawings.

T: Thickness of
Optical Plate

Beam Displacement vs Tilt Angle



Adjustable

- Use for Beam Steering with Micron-Level Precision
- Vertical and Horizontal Beam Displacement
- Inquire About Using with Special Filters
- Use as Attenuator (0 - 20 dB)
- Use to Correct Known Offsets of System Optics
- AR Coating: $R_{\text{avg}} < 0.5\%$ over Wavelength Range

ITEM #	\$	£	€	RMB	DESCRIPTION
HWXYT-A	\$ 150.00	£ 108.00	€ 130,50	¥ 1,195.50	Tweaker Module 2.5 mm Thick, 350 - 650 nm
HWXYT-B	\$ 150.00	£ 108.00	€ 130,50	¥ 1,195.50	Tweaker Module 2.5 mm Thick, 650 - 1050 nm
HWXYT-C	\$ 150.00	£ 108.00	€ 130,50	¥ 1,195.50	Tweaker Module 2.5 mm Thick, 1050 - 1620 nm