Fiber Optics

Passive Components

Collimation Packages

FiberBench

Optical Switches

Rackbox Systems

Connectors/ Termination Tools

Single-Mode Fiber

Rare Earth Doped

Single-Mode: PM

Photonic Crystal Fiber

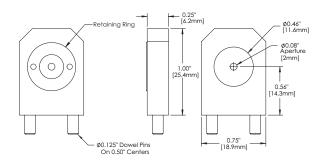
Multimode Fiber: Graded Index

Multimode Fiber: Step Index

Plastic Optical Fiber

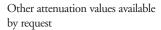
Attenuator Module

Our two most common neutral density filters, which have attenuations of 3 and 10dB, are available mounted in a 1/2" Optics Mount (HOM, see page 1033). Filters can be added in series to achieve higher attenuation levels.



Specifications

- Clear Aperture: 2mm
- Surface Flatness: $\lambda/4$
- Inconel ND Filter





FDB-	03
------	----

ITEM#	\$	£	€	RMB	DESCRIPTION
FDB-03	\$ 200.00	£ 126.00	€ 186,00	¥ 1,910.00	FiberBench Attenuator, ND 0.3
FDB-10	\$ 200.00	£ 126.00	€ 186,00	¥ 1,910.00	FiberBench Attenuator, ND 1.0

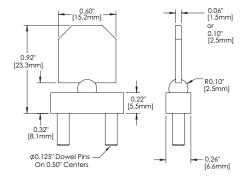
X-Y Tweaker Module

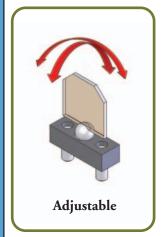


The X-Y Tweaker Module consists of a precision-polished, AR-coated, plane-parallel plate mounted on a magnetic ball and socket. The plates are offered with a thickness of 1.5mm and 2.5mm and can be rotated and tilted in nearly any orientation. The beam is consequently displaced parallel to the optical axis by as much as $\pm 500 \mu m$. Tilting beyond 30° can cause insertion loss because of the angular dependence of the AR coating. If source wanders or drifts are inputted the Tweaker module offers very quick, precise adjustment. Adjustments of a few microns are made easily.









- Use for Precise Beam Steering With Micron-Level Precision
- Vertical and Horizontal Beam Displacement
- Inquire About Using With Special Filters

_	n ₁	$D = T \cdot \sin\theta \left(1 - \frac{\cos\theta}{n_1 \cdot \cos\theta}\right)$ Displacement (D) Beam Displacement vs Tilt Angle
	600	
_	500	
i E	400	
Displacement µm	300	122.5 mm
Disp		1=1.5 mm
	100	
		0° 5° 10° 15° 20° 25° 30° Tilt Angle

ITEM#	\$	£	€	RMB	DESCRIPTION
HWXY-A	\$ 180.00	£ 113.40	€ 167,40	¥ 1,719.00	Tweaker Module 1.5mm Thick, 350-650nm
HWXY-B	\$ 180.00	£ 113.40	€ 167,40	¥ 1,719.00	Tweaker Module 1.5mm Thick, 650-1050nm
HWXY-C	\$ 180.00	£ 113.40	€ 167,40	¥ 1,719.00	Tweaker Module 1.5mm Thick, 1050-1620nm
HWXYT-A	\$ 180.00	£ 113.40	€ 167,40	¥ 1,719.00	Tweaker Module 2.5mm Thick, 350-650nm
HWXYT-B	\$ 180.00	£ 113.40	€ 167,40	¥ 1,719.00	Tweaker Module 2.5mm Thick, 650-1050nm
HWXYT-C	\$ 180.00	£ 113.40	€ 167,40	¥ 1,719.00	Tweaker Module 2.5mm Thick, 1050-1620nm