

High Power Expanded Beam Isolator, PH(M)EI



PH (M) EI

Description

The high power isolator series includes in-line type, beam expanded type, fiber in and free space out type and free space type etc, which are characterized with low insertion loss, high beam quality, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal products used for fiber laser and instruments applications.

Feature

- High isolation and low insertion loss
- PM and Non-PM types are available
- High Beam Quality
- Fiber can be customized

Application

- Fiber Laser
- Fiber Sensor

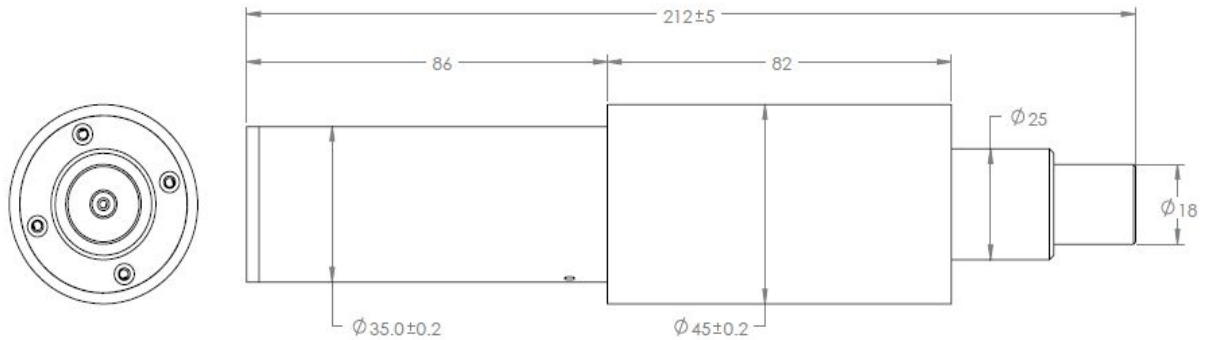
Specification

Type Parameter	High power expanded beam isolator, PH(M)EI	
	Non-PM isolator	PM isolator
Operating wavelength(nm)	1064±5	
Peak isolation (dB)	≥35	
Isolation in band at 23°C(dB)	≥28	
Insertion loss at 23°C(dB)	≤0.50	
Polarization dependent loss	≤0.15	
Extinction ratio (dB)	/	≥18 (Type B), ≥20 (Type F)
Return loss (Input) (dB)	≥50	

Fiber type (can be customized)		HI1060, x/125, x/250, etc. (x=10um, 15um, 20um,30um,etc.)	PM980, PM x/125, x/250, etc.(x=10um,15um,20um,30um,e tc.)
Armored cable diameter		Φ10.5mm cable, can be customized.	
Output beam diameter (mm)		6-8; Others on demand	
Power handling	Average (W)	10, 20, higher on demand	
	Pulse peak(KW)	10, 20, higher on demand	
Dimensions (Φ × L mm)		Φ 45 × L212	

- * Both Single cladding fiber (SCF) and double cladding fiber (DCF) are available.
- * Type B: Both axis working, Type F: Fast axis blocked.
- * Power Handling total power=Forward power+ Backward power

Package Dimensions



Ordering information

PH(M)EI-X XXX-X-X-X-X -XX*XX-XX-XX

