

## High Power In-line Isolator, HP(M)II(10w above)

### 1. Description:

The High Power Isolator series products include high power isolator and high power collimator.

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

### 2. Features:

- \* High isolation and low insertion loss
- \* PM and Non-PM are available
- \* Excellent environmental stability and reliability
- \* Fiber can be customized



HP (M) II 10W

### 3. Applications:

- \* Fiber Laser
- \* Fiber Sensor

### 4. Specifications:

Parameter		Type	High Power In-line Isolator, HP(M)II 10W	
			Non-PM Isolator	PM Isolator
Operating wavelength( nm)			1064±10	
Typ. Peak Isolation( dB)			35	
Isolation at 23 ( dB)			≥26	
Insertion Loss at 23 ( dB)			≤1.2	
Polarization Dependent Loss( dB)			≤0.15	/
Extinction Ratio( dB)			/	≥20
Return Loss (Input/Output) ( dB)			≥50	
Fiber Type (can be customized)			Hi1060, x/125 SCF*, etc. (x=10um, 15um, 20um etc.)	PM980, PM x/125 SCF* etc. (x=10um, 15um, 20um etc.)
			Other large core fibers are available too	
Power Handling	CW (W)		2~10, higher on demand	
	Pulse Peak(KW)		10, higher on demand	
Dimensions (L×W×H)(mm)			130×50×37	

Remark: \*SCF=single cladding fiber.

\*\*HP II means high power expanded beam isolator with non-PM fiber.

\*\*\*HP M II means high power expanded beam isolator with polarization maintaining fiber.

### 5. Product Ordering Information:

HP(M)II-XXXX-X-X-X- X -XX\*XX\*XX

