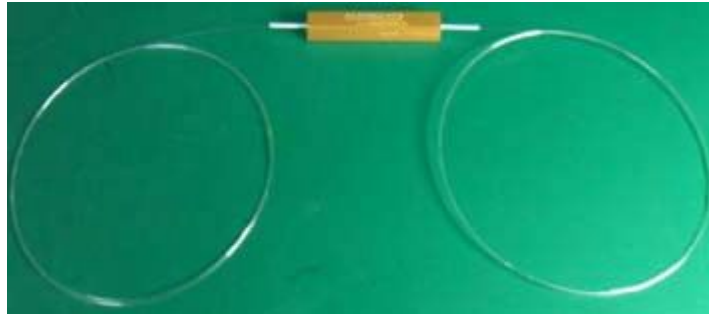


## 500mW 1064nm In-line Isolator



1064nm inline isolator

### Description

The 500mW 1064nm In-line Isolator is characterized with low cost and compact size. Lightcomm developed a kind of effective heat dissipation technique that the Isolator temperature will be fall down. It is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

### Feathure

- High isolation and low insertion loss
- PM and Non-PM are available
- Excellent environmental stability and reliability
- Customized fiber type available

### Application

- Fiber Laser
- Fiber Sensor

### Specification

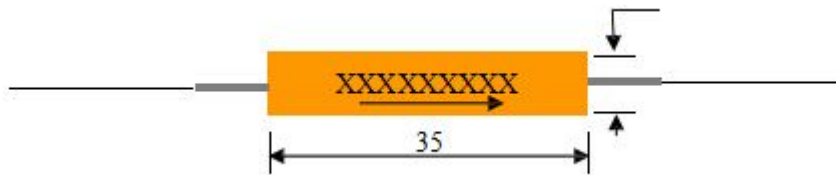
Type Parameter	Non-PM Isolator		PM Isolator
	Single stage		
Operating Wavelength( nm)	1064±5	1075±5	1080±5
Typ. Peak Isolation( dB)	38		
Isolation In Band at 23°C( dB)	≥30		
Insertion Loss at 23°C( dB) (Input	≤2.0	≤1.8	≤1.6
Insertion Loss at 23°C( dB) (Input	≤2.2	≤2.0	≤1.8
power @ max.			
Polarization Dependent Loss(For non	≤0.15		/
Extinction Ratio(For PM) ( dB)*	/		≥18 ( Type B ) , ≥20

Return Loss (Input/output) ( dB)		≥50	
Fiber Type		HI1060(Non-PM) or	
Max. power handling	Average (mW)	500	300
	Pulse peak(W)	1000	
Dimensions(mm)		5*5*35	

- \* Type B: Both axis working, Type F: Fast axis blocked.
- \* IL is 0.5dB higher , RL is 5dB lower and ER is 2dB lower for each connector added . The default connector key is aligned to slow axis.
- \* Power Handling is total power= Forward power+Backward power.
- \* The Dimension would be changed when the fiber type be changed

### Package Dimensions

**5\*5**



### Ordering information

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

