

# 1W Polarization Insensitive Isolator for Pulse Applications

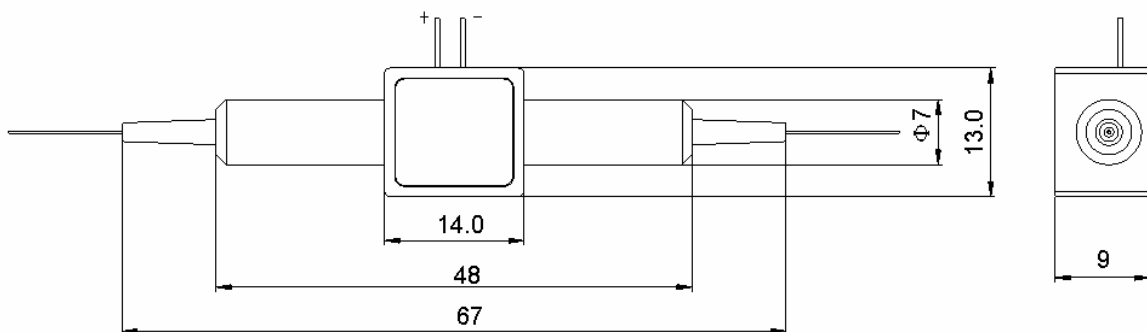
(HI Series)

The High Power Polarization Insensitive Isolator 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.

## Specifications

Parameters	Unit	Grade P	Grade A
Center Wavelength	nm	1064 or specify	
Max. Polarization Dependent Loss	dB	0.1	0.15
Typ. Peak Isolation	dB	35	33
Min. Isolation at 23°C, all polarization states	dB	30	28
Typ. Insertion Loss at 23°C	dB	1.3	1.6
Max. Insertion Loss at 23°C	dB	1.6	1.9
Min. Return Loss (Input/Output)	dB	50/50	45/45
Max. Optical Power (Continuous Wave)	W	1	
Max. Tensile Load	N	5	
Max. Peak Power for ns pulse	kW	10	
Fiber Type		HI 1060 fiber	
Operating Temperature	°C	0 to +50	
Storage Temperature	°C	-20 to +75	

## Dimension



Tolerance:  $x \pm 1 \text{ mm}$ ;  $x \cdot x \pm 0.2 \text{ mm}$   
Apply max. 2V DC to the two pins with indicated polarities

## Ordering Information

<b>HI1-①①-②-③-④-⑤-P</b>	
①①: Wavelength	④: Fiber Type
06 - 1064nm	B - 250um bare fiber
SS - Specify	L - 900um loose tube
	S - Specify
②: Grade	
P - Premium	⑤: Fiber Length
A - A grade	1 - 1.0 m
	S - Specify
③: Connector Type	
N - None	

## Contact Information

For more information about BATi's leadership in photonics devices and other optical networking modules and components, visit our website at [www.bostonati.com](http://www.bostonati.com).

To obtain additional technical information or to place an order for this product, please contact us at:

Phone: 1-781-935-2800

Fax: 1-781-935-2860

E-mail: [sales@bostonati.com](mailto:sales@bostonati.com)