

# 1W Polarization Maintaining Isolator

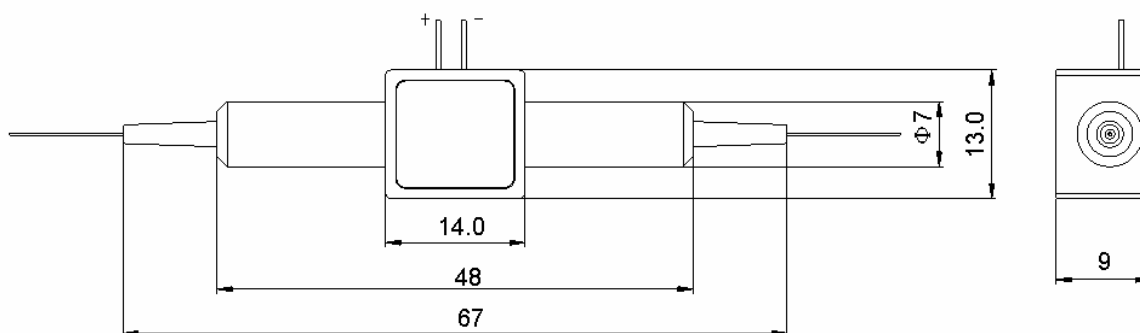
## (HPMI Series)

The High Power Polarization Maintaining 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    |         |
| Min. Extinction Ratio                           | dB   | 20                 | 20      |
| 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                  |         |
| Fiber Type                                      |      | PM 980 Panda fiber |         |
| Operating Temperature                           | °C   | 0 to +50           |         |
| Storage Temperature                             | °C   | -20 to +75         |         |

### Dimension



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

## Ordering Information

| HPMI1-①①-②-③-④-⑤-⑥ |                       |
|--------------------|-----------------------|
|                    |                       |
| ①①: Wavelength     | ④: Fiber Type         |
| 06 - 1064nm        | B - 250um panda fiber |
| SS - Specify       | L - 900um loose tube  |
|                    | S - Specify           |
|                    |                       |
| ②: Grade           | ⑤: Fiber Length       |
| P - Premium        | Q - 0.75 m            |
| A - A grade        | S - Specify           |
|                    |                       |
| ③: Connector Type  | ⑥: Working Axis       |
| N - None           | F - Fast axis blocked |
|                    | B - Both axis working |

## 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)