

## High Power Polarization Maintaining Isolator (HPMI Series)

### Description

Rev 11

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.

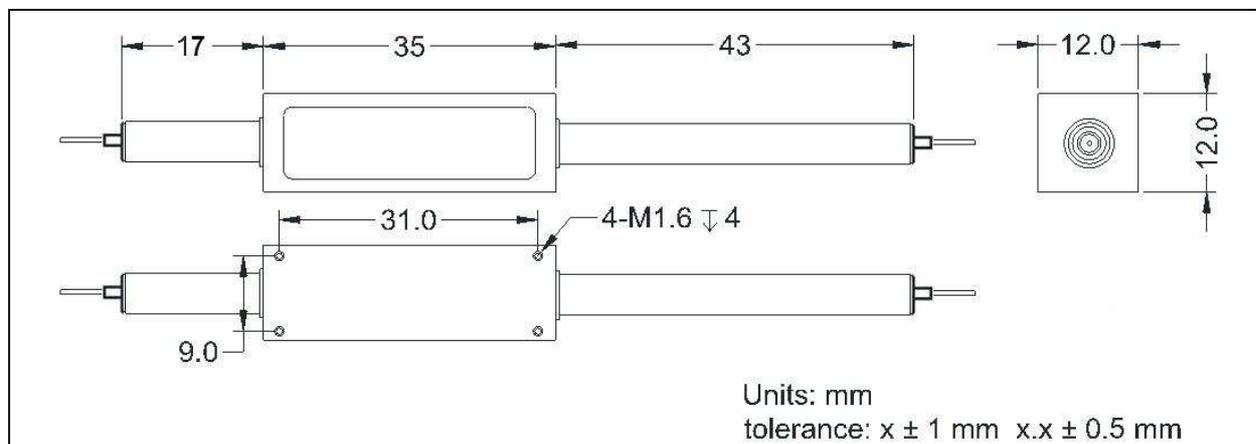
### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1550
Min. Extinction Ratio, 23 °C	dB	20
Typ. Peak Isolation	dB	35
Min. Isolation, $\lambda_c$ , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	0.3
Max. Insertion Loss, $\lambda_c \pm 20$ nm, 23 °C	dB	0.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Optical Power	W	20
Max. Peak Power for ns pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	PM 1550 Panda Fiber

<sup>1</sup>IL is 0.3 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector added.

<sup>2</sup>Optical Power is 1 W for each connector added.

### Package Dimensions



### Ordering Information

HPMI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①: Wavelength

②②: Handling Power

③③: Connector Type

④④: Fiber Type

55 - 1550 nm

20 - 20 W

1 - FC/UPC    4 - SC/APC

B - 250  $\mu$ m Bare Fiber

SS - Specify

2 - FC/APC    N - None

L - 900  $\mu$ m Loose Tube

3 - SC/UPC    S - Specify

S - Specify

⑤⑤: Fiber Length

⑥⑥: Working Axis

⑦⑦: Power Type

1 - 1.0 m

B - Both Axes Working

P - Pulse Application

S - Specify

F - Fast Axis Blocked

C - Continuous Wave