



High Power Polarization Maintaining Isolator (HPMI Series)

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.

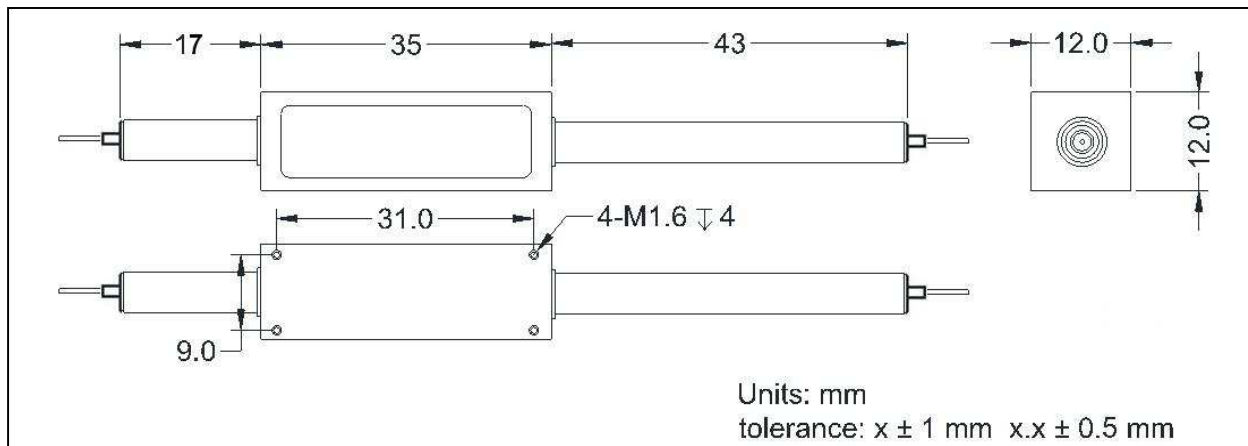
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Min. Extinction Ratio, 23°C	dB	20
Typ. Peak Isolation	dB	35
Min. Isolation, λ_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

*IL is 0.3 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector added.

**Optical Power is 1W for each connector added.

Package Dimensions



Ordering Information

HPMI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①: Wavelength

55 - 1550 nm

SS - Specify

②②: Handling Power

20 - 20 W

③③: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

④④: Fiber Type

B - 250 μ m bare fiber

L - 900 μ m loose tube

S - Specify

⑤⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥⑥: Working Axis

B - Both axes working

F - Fast axis blocked

⑦⑦: Power Type

P - Pulse Application

C - Continuous Wave