High Power Polarization Maintaining Isolator (HPMI Series)

Rev 11B

Description

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. This optical isolator is ideal for fiber laser and instrumentation applications.

Key Features

- High Power Handling
- Low Insertion Loss

Applications

- Fiber Lasers
- Fiber Optic Instruments

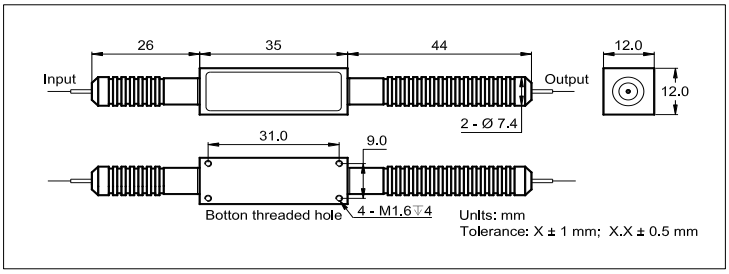
Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	1550
Min. Extinction Ratio, 23 ℃	dB	20
Typ. Peak Isolation	dB	35
Min. Isolation, λc, All Polarization States, 23 ℃	dB	28
Typ. Insertion Loss	dB	0.3
Max. Insertion Loss, λc ± 20 nm, 23 ℃	dB	0.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Optical Power	W	20
Max. Peak Power (Pulse Width, 10 ns)	kW	10
Max. Tensile Load	N	5
Fiber Type	-	PM 1550 Panda Fiber
Operating Temperature	℃	10 to + 50
Storage Temperature	℃	0 to + 60

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

[2]Optical Power is 1 W for each connector added.

Package Dimensions



Ordering Information

HPMI-①①-②②-③-④-⑤-⑥-⑦-⑧

①①: Wavelength
55 - 1550 nm
SS - Specify

②②: Handling Power
20 - 20 W

③: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④: Fiber Type
B - 250 μm Bare Fiber
L - 900 μm Loose Tube
S - Specify

⑤: Fiber Length	⑥: Working Axis	⑦: Power Type	⑧: Fiber Type
1 - 1.0 m	B - Both Axes Working	P - Pulse Application	1 - PM 1550 Panda Fiber
S - Specify	F - Fast Axis Blocked	C - Continuous Wave	S - Specify