

High Power Polarization Maintaining Isolator (HPMI Series)

Description

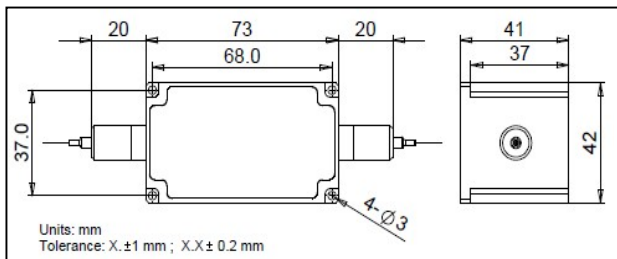
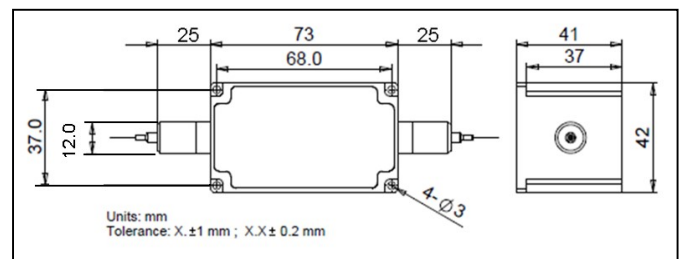
Rev 11C

The 1030 nm 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	Type A	Type B
Center Wavelength (λ_c)	nm	1030	
Operating Wavelength Range	nm	$\lambda_c \pm 10$	
Typ. Peak Isolation	dB	30	
Min. Isolation, λ_c , 23 °C, All Polarization State	dB	25	
Typ. Insertion Loss, 23 °C	dB	0.8	
Max. Insertion Loss, 23 °C	dB	1	
Min. Return Loss (Input/Output)	dB	45/45	
Min. Extinction Ratio	dB	20	
Max. Average Optical Power	W	10	20
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type	-	PM 980 Panda Fiber	
Operating Temperature	°C	+ 10 to + 50	
Storage Temperature	°C	0 to + 60	

Package Dimensions


Type A

Type B

Ordering Information

HPMI-①①-②-③③-④-⑤-⑥-⑦-⑧-⑨

①①: Wavelength

03 - 1030 nm

SS - Specify

②: Package Type

A - Type A

B - Type B

③③: Handling Power

10 - 10 W

20 - 20 W

SS - Specify

④: Connector Type

N - None

⑤: Fiber Jacket

 B - 250 μ m Bare Fiber

 L - 900 μ m Loose Tube

S - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify

⑦: Working Axis

F - Fast Axis Block

B - Both Axis Working

⑧: Fiber Type

1 - PM 980 Panda Fiber

2 - Nufern FUD-3460

S - Specify

⑨: Power Type

P - Pulse Application

C - Continuous Wave