Advanced Fiber Resources (HK), Ltd.

# High Power Polarization Maintaining Isolator (HPMI Series)

Rev 11C

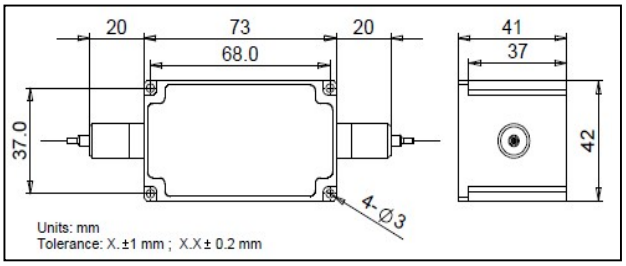
## Description

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.

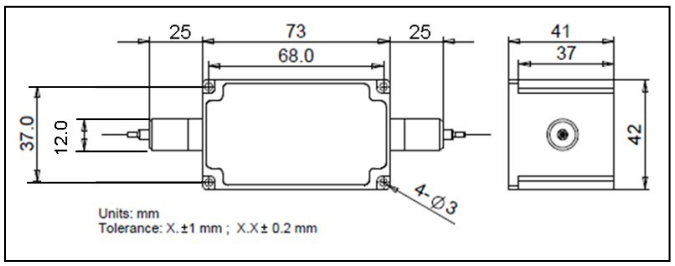
## Specifications

| Parameter | Unit | Type A | Type B |
|---|---|---|---|
| Center Wavelength (λc) | nm | 1030 | |
| Operating Wavelength Range | nm | λc ± 10 | |
| Typ. Peak Isolation | dB | 30 | |
| Min. Isolation, λc, 23 ℃, All Polarization State | dB | 25 | |
| Typ. Insertion Loss, 23 ℃ | dB | 0.8 | |
| Max. Insertion Loss, 23 ℃ | 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 | ℃ | + 10 to + 50 | |
| Storage Temperature | ℃ | 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 μm Bare Fiber
L - 900 μm 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