



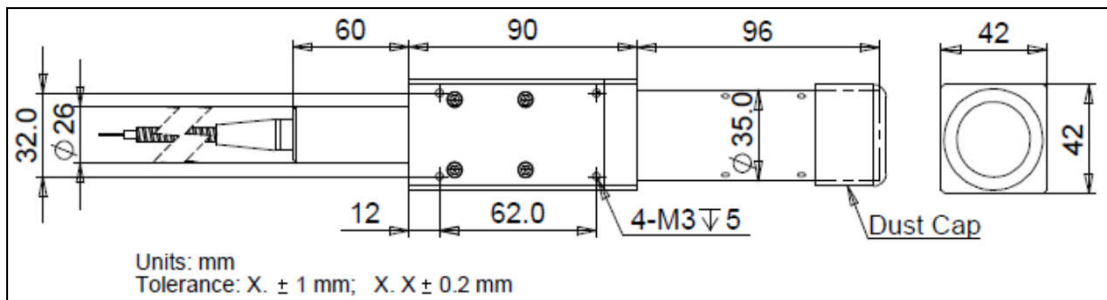
## High Power Polarization Maintaining Fiber to Free Space Isolator (HPMFSI Series)

The 1064 nm Fiber to Free Space High Power Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, and excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation, 23 °C, $\lambda_c$	dB	28
Max. Insertion Loss, 23 °C	dB	0.5
Min. Extinction Ratio	dB	20
M <sup>2</sup> Degradation	%	<10
Beam Roundness	%	>90
Min. Return Loss	dB	50
Max. Average Optical Power	W	30
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type (Input port)		PM 980 Panda fiber
Fiber Type (Output port)		Free Space
Output beam size ( $1/e^2$ )	mm	5±1
Operating Temperature	°C	10 to +50
Storage Temperature	°C	0 to +60

### Package Dimensions



### Ordering Information

HPMFSI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧

①①: Wavelength

06 - 1064 nm

SS - Specify

②②: Handling Power

03 - 3 W    20 - 20 W

10 - 10 W    30 - 30 W

SS - Specify

③③: Connector Type

N - None

④④: Fiber Jacket

B - 250  $\mu$ m Panda fiber

L - 900  $\mu$ m loose tube

6 - 6 mm Armoured cable  
with yellow PVC tube

⑤⑤: Fiber Length

Q - 0.75 m

S - Specify

⑥⑥: Working Axis

F - Fast axis blocked

B - Both axes working

⑦⑦: Fiber Type

1 - PM 980 Panda fiber

S - Specify

⑧⑧: Power Type

P - Pulsed

C - Continuous Wave