

Spec Review No.: SR2002006A

Date: Feb. 24, 2020

Customer:

Customer P/N:

Description: High Power Polarization Maintaining Isolator

Optizone P/N: HPMI-20-S-05-F-NN-BB-4-0.75

## Specifications

Parameters	Unit	Values	
Stage	-	Single Stage	Dual Stage
Center Wavelength ( $\lambda_c$ )	nm	2000	
Operating Wavelength Range	nm	±50	
Min. Isolation at 23°C	dB	18	32
Typ. Insertion Loss at 23°C	dB	0.8	1.0
Max. Insertion Loss at -5°C~70°C	dB	1.2	1.4
Min. Return Loss (Input/Output)	dB	45	
Min. Extinction Ratio(only for B type)	dB	12	
Min. Extinction Ratio(only for F type)	dB	15	
Max. Optical Power (CW, Proper SOP, Forward)	W	1, 3, 5 or Specify	
Max. Tensile Load	N	5	
Fiber Type	-	nLight Passive-PM 20/125 SC NA0.08 Fiber or Specify	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

\*Above specifications are for device without connector.

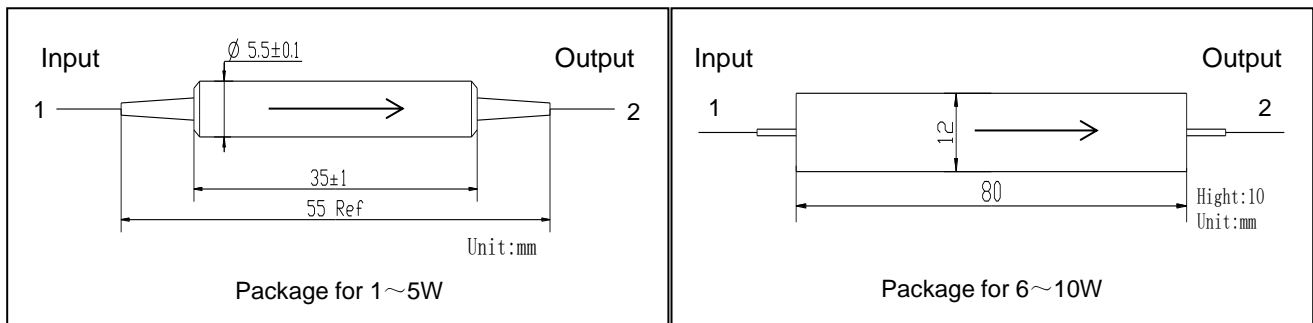
\*For devices with connectors, IL will be 0.3dB higher, RL will be 10dB lower and ER will be 2dB lower and optical power is only 1W(CW).

\*The PM fiber and the connector key are aligned to the slow axis.

\*For F type, fast axis is blocked, the input must be Linear polarized light, and the input polarization must be aligned properly.

\*The material must be RoHS compliant.

## Package Dimensions



## Ordering Information

**HPMI-①①-②-③③-④-⑤⑤-⑥⑥-⑦-⑧**

①①: Wavelength  
20 - 2000nm  
SS - Specify

④: Axis Alignment  
F - Fast Axis Blocked  
B - Both Axis Working

⑥⑥: Fiber Jacket on Port 1 & 2  
B - Bare Fiber  
L - 900um Loose Tube

②: Stage  
S - Single Stage  
D - Dual Stage

⑤⑤: Connector Type on Port 1 & 2  
1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC

⑦: Fiber Type  
4 - nLight Passive  
PM 20/125 SC NA0.08 Fiber  
S - Specify

③③: Power Level  
01 - 1W  
05 - 5w  
S - Specify

N - None  
S - Specify

⑧: Fiber Length  
0.75 - 0.75m  
S - Specify