

Spec Review No.: SR2002006B

Date: Jul. 7, 2023

Customer:

Customer P/N:

Description: HP Polarization Maintaining Isolator

Optizone P/N: HPMI-2000-S-05-F-NN-BB-D5-0.75-08

Specifications

Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage	-		
Center Wavelength (λ_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.

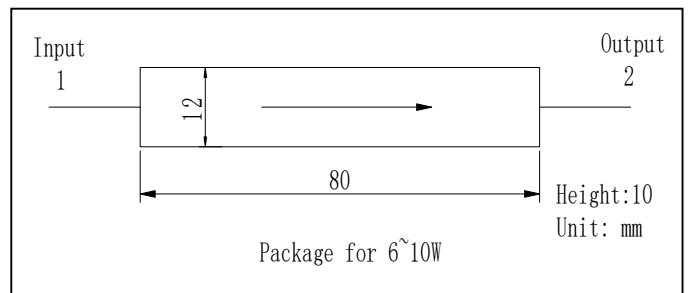
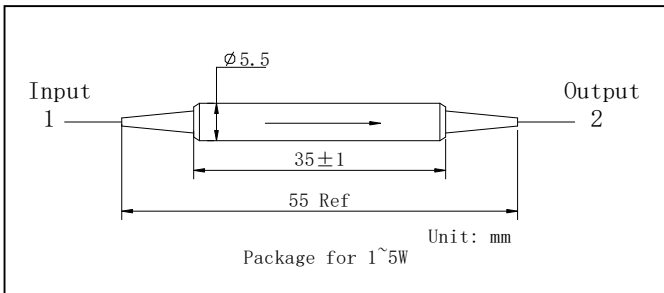
*For devices with connectors, IL will be 0.3dB higher, RL will be 10dB lower and ER will be 2dB lower and optical power is only 1W(CW).

*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-①-②-③③-④-⑤⑤-⑥⑥-⑦-⑧-⑨⑨

①: Wavelength
2000 - 2000nm
S - Specify

②: Stage
S - Single Stage
D - Dual Stage

③③: Power Level
01 - 1W
05 - 5W
SS - Specify

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

⑤⑤: Connector Type on Port 1 & 2
1B - FC/UPC
2B - FC/APC (Step)
3D - SC/UPC
4D - SC/APC (Step)
N - None
S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2
B - Bare Fiber
C - 900um Red LooseTube
SS - Specify

⑦: Fiber Type
D5 - nLight Passive
PM 20/125 SC NA0.08
S - Specify

⑧: Fiber Length
0.75 - 0.75m
S - Specify

⑨⑨: PackageType
01 - $\varnothing 5.5 \times 35$
08 - $80 \times 12 \times 10$