

Product: High Power Polarization Maintaining Optical Isolator

Part Number	Spec Number	Version	Date
HPMIXXXXXXXXXX	S086	Rev 01	11/14/2023

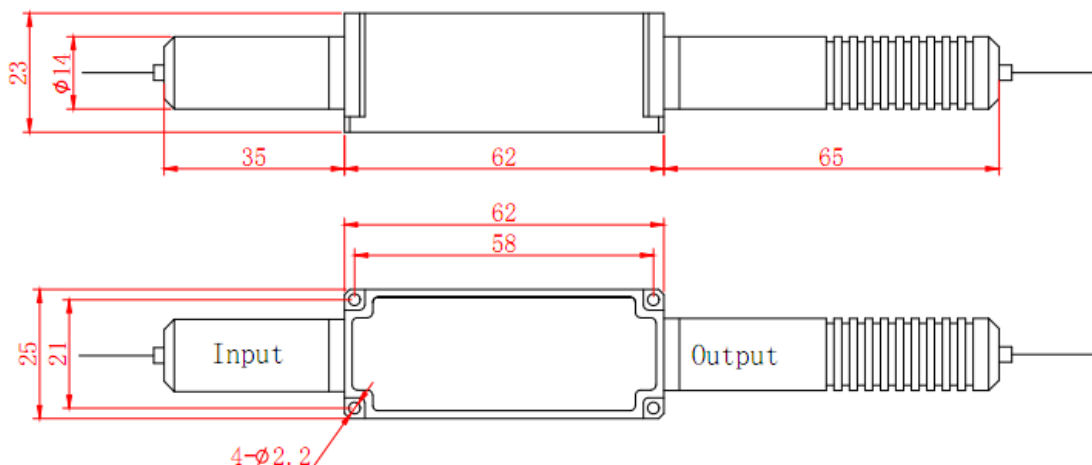
1 Specifications

Item	Parameters	Symbol	Value	Units	Note
1.	Center Wavelength (λ_c)	λ_c	1550 or Specify	nm	
2.	Operating Wavelength Range	λ_{op}	$\lambda_c \pm 10$	nm	
3.	Typ. Insertion Loss, 23 °C	IL	0.4	dB	
4.	Max. Insertion Loss, 23 °C	IL	0.7	dB	
5.	Typ. Peak Isolation, 23 °C	IS	32	dB	
6.	Min. Isolation, λ_c , 23 °C	IS	26	dB	
7.	Min. Extinction Ratio, 23 °C	ER	18	dB	
8.	Min. Return Loss	RL	50	dB	
9.	Max. Optical Power	Pop	50	W	
10.	Max. Peak Power for ns Pulse	Pp	10	kW	
11.	Fiber Type		PM 1550 or Specify		
12.	Operating Temperature	Top	0 to 60	°C	
13.	Storage Temperature	Tstor	-20 to 70	°C	

Note:

* IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower and Optical Power is 1 W only for each connector added. Connector key is aligned to slow axis.

2 Drawings



3 Device Label, Delivery Data, RoHS Requirement

Triple-Stone standard format. RoHS compliant.

4 Order Information

HPMI-1-2-3-4-5-6-7-8

1.	Wavelength	55 - 1550 nm, S - Specify
2.	Handling Power	40 - 40 W, 50 - 50 W, SS - Specify
3.	Fiber Type	1 - PM1550, 2 - PLMA-GDF-25/250, 3 - PLMA-GDF-25/300, 5 - IX Blue - 20/250, S - Specify
4.	Fiber Length	1 - 1.0 m, S - Specify
5.	Jacket Type	B - Bare fiber, L - 900 μ m loose tube, S - Specify
6.	Connector Type	1 - FC/UPC, 2 - FC/APC, N - None, S - Specify
7.	Power Type	C - Continuous Wave, P - Pulse Application
8.	Working Axis	F - Fast axis blocked, B - Both axes working