

Product: High Power Polarization Insensitive Isolator

Part Number	Spec Number	Version	Date
HISOXXXXXXXXXX	S683	Rev 01	06/11/2025

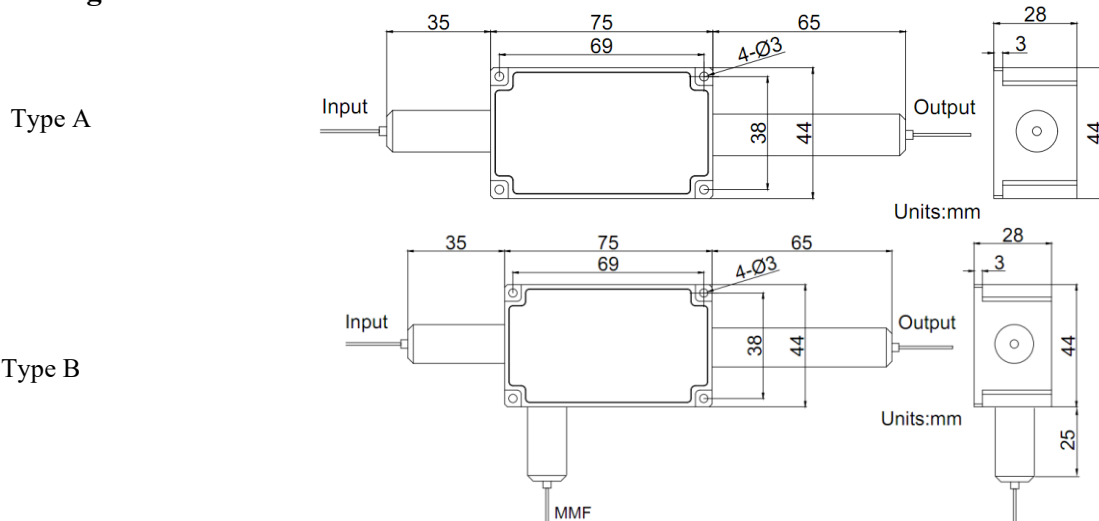
1 Specifications

Item	Parameters	Symbol	Value	Units	Note
1.	Center Wavelength (λ_c)	λ_c	1030 or 1064 or Specify	nm	
2.	Max. Insertion Loss, 23 °C	IL	1.0	dB	
3.	Min. Isolation, λ_c , 23 °C	IS	26	dB	
4.	Max. Polarization Dependent Loss, 23 °C	PDL	0.2	dB	
5.	Min. Return Loss (Input/Output)	RL	50	dB	
6.	Max. Optical Power	Pop	100	W	
7.	Max. Peak Power for ns Pulse	Pp	10	kW	
8.	Max. Tensile Load		5	N	
9.	Fiber Type		LMA-GDF-10/125-M or Specify		
10.	Operating Temperature	Top	10 to 50	°C	
11.	Storage Temperature	Tstor	0 to 60	°C	

Note:

* IL is 0.3 dB higher, RL is 5 dB lower and Optical Power is 1 W only for each connector added.

2 Drawings



3 Order Information

HISO-1-2-3-4-5-6-7-8-9-10

1.	Wavelength	03 - 1030 nm, 06 - 1064 nm, SS - Specify
2.	Handling Power	50 - 50 W, 100 - 100 W, SS - Specify
3.	Fiber Type for Input	1- HI1060, 2 - FUD-3584, 3 - LMA-GDF-10/125-M, 4 - LMA-GDF-15/130, 5 - LMA-GDF-20/130, 6 - LMA-GDF-25/250, 7 - LMA-GDF-30/250, 8 - LMA-GDF-20/400-M, 9 - GDF-DC-20/400-0.065, 10 - YOFC GDF-SC-10/125 NA0.08, 11 - BrightCore 10/125-DCF-DZ023-NA0.075, S - Specify
4.	Fiber Type for Output	2 - FUD-3584, 3 - LMA-GDF-10/125-M, 4 - LMA-GDF-15/130, 5 - LMA-GDF-20/130, 6 - LMA-GDF-25/250, 7 - LMA-GDF-30/250, 8 - LMA-GDF-20/400-M, 9 - GDF-DC-20/400-0.065, 10 - YOFC GDF-SC-10/125 NA0.08, 11 - BrightCore 10/125-DCF-DZ023-NA0.075, S - Specify
5.	Fiber Type for MMF	N - None, 1- MM 105/125 NA0.22, 2 - FUD-3584, 3 - LMA-GDF-10/125-M, 4 - LMA-GDF-15/130, 5 - LMA-GDF-20/130, 6 - LMA-GDF-25/250, 7 - LMA-GDF-30/250, 8 - LMA-GDF-20/400-M, 9 - GDF-DC-20/400-0.065, 10 - YOFC GDF-SC-10/125 NA0.08, 11 - BrightCore 10/125-DCF-DZ023-NA0.075
6.	Fiber Length	1 - 1.0 m, S - Specify
7.	Jacket Type	B - Bare fiber, L - 900 μ m loose tube (for fiber Coating Diameter $\leq$ 450 μ m Only), S - Specify
8.	Connector Type	1 - FC/UPC, 2 - FC/APC, N - None, S - Specify
9.	Package Type	A - Type A, B - Type B
10.	Power Type	C - Continuous Wave, P - Pulse Application