

1064nm high-power polarization-dependent isolator



● Product Description

The 1064nm high-power polarization-dependent isolator features low insertion loss, high isolation, high power handling, and high return loss, along with excellent environmental stability and reliability. It is an ideal choice for fiber lasers and instrument applications.

● Product features

Low insertion loss, high isolation、 Compact size、 High peak power

● Part Number

MP-ISO-F-1064-C-S-SA-1

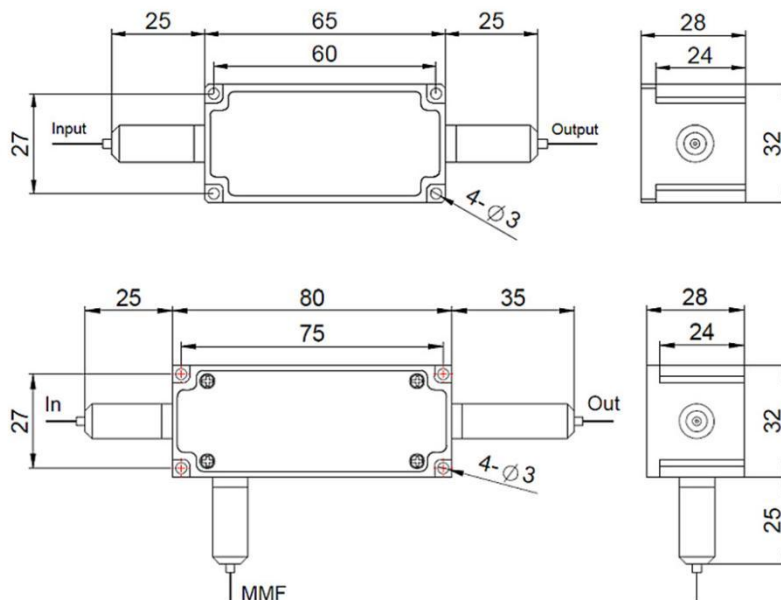
● Application area

Fiber optic sensing、 Ultrafast pulsed lasers、 Laser communication

● Core parameters

Working Wavelength	Operating Power
1064nm	10W

● Dimension Drawing



● General Parameters

Parameters

Parameter	Unit	Type A	Type B
Center Wavelength (λ_c)	nm	1064	
Typ. Peak Isolation	dB	35	
Min. Isolation, λ_c , 23 °C, all polarization states	dB	28	
Typ. Insertion Loss, 23 °C	dB	0.6	
Max. Insertion Loss, 23 °C	dB	0.8	
Max. IL Output to Reflection (MMF),(Output to MMF)	dB	None	0.8
Min. Return Loss (Input/Output)	dB	50/50	
Max. Polarization Dependent Loss	dB	0.2	
Max. Average Optical Power	W	10 or 20	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type		Specified by ordering info	
MMF fiber type		None	MMF-105/125 (NA0.22)
Operating Temperature	°C	10 to +50	

Ordering info

MP-ISO-F-①①-②-③③-④-⑤-⑥-⑦-⑧

①①: Wavelength	06 - 1064 nm, SS - Specify
②: Package Type	A - Type A, B - Type B
③③: Handling Power	10 - 10 W, 20 - 20 W, SS - Specify
④: Connector Type	N - None
⑤: Fiber Jacket	B - Bare fiber, L - 900 μm loose tube, S - Specify
⑥: Fiber Length	1 - 1.0 m, S - Specify
⑦: Fiber Type	1 - HI 1060 fiber, 2 - Nufern FUD-3584 fiber, 3 - Nufern LMA-GDF-10/125-M, 4 - Nufern LMA-GDF-20/130-M, 5 - Nufern LMA-GDF-30/250-M, S - Specify
⑧: Power Type	P - Pulse application, C - Continuous wave