

1064nm high power isolator bandpass Filter hybrid device



● Product Description

1064nm high power polarization independent isolator bandpass filter has low insertion loss, high isolation, high power handling, high return loss, good environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

● Product features

100W high processing power、 Hybrid design and dual functions、 Compact design

● Part Number

MP-NTF-BP-1064-8-B

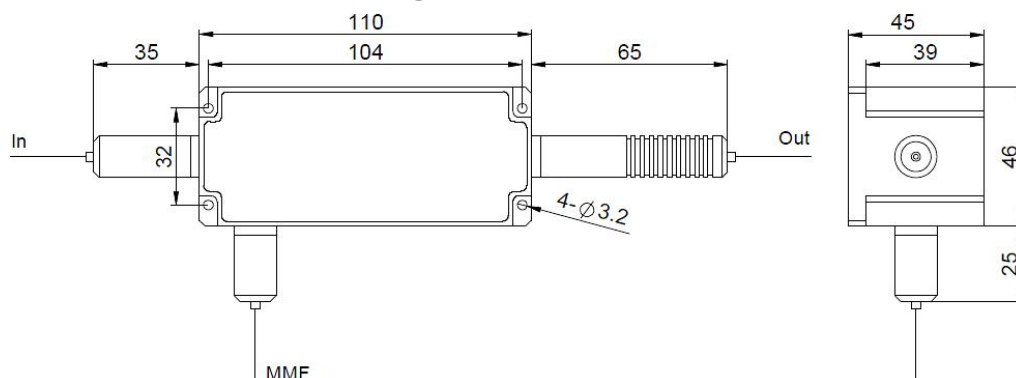
● Application area

Ultrafast fiber laser、 MOPA laser、 Fiber optic sensor

● Core parameters

Wavelength	Operating Power
1064nm	10W

● Dimension Drawing



● General Parameters

Parameters

Parameter	Unit	Min.	Typical	Max.
Central wavelength (λ_c)	nm	1049	1053	1064
Min. Passband bandwidth 23 °C @ -0.5dB	nm	5	5	8
Max. Cutoff bandwidth 23 °C @ -25 dB	nm	18	18	22
Min. isolation λ_c , 23 °C, all polarization states(Output -Input)	dB	26		
Max. Insertion loss 23 °C(Input - Output)	dB	0.8		
Max. Insertion loss 23 °C(Input -MMF)	dB	0.8		
Min. Return loss(Input/Output)	dB	50/50		
Max. Polarization-dependent loss 23 °C(Input - Output)	dB	0.2		
Max. Average optical power(Input - Output)	W	100		
Max. Light power(Stop band)	W	1		
Max. Average optical power(Output -Input)	W	10		
Max. Peak power (ns pulse laser)	KW	10		
Max. Tensile strength	N	5		
Fiber type		Customer customized		
Operating temperature	°C	10to +50		
Storage temperature	°C	0to +60		

Note: The MMF port is used to measure the backward power from the output port.

Ordering information

MP-NTF-BP-①-②-③-④-⑤-⑥-⑦-⑧-⑨

①: Wavelength	1049 - 1049 nm, 1053 - 1053nm, 1064 - 1064 nm, SS - Specify
②: Pass Bandwidth	05 - 5 nm, 08 - 8 nm
③: Connector Type	N - None
④: Fiber Jacket	B - Bare fiber, L - 900 μm loose tube, S - Specify
⑤: Fiber Type for In/Out	1 - FUD-3584 10/125, 2 - LMA-GDF-20/130-M, 3 - LMA-GDF-20/400, 4 - LMA-GDF-30/250, 5 - LMA-GDF-25/400, S - Specify
⑥: Fiber Type for MMF	1 - MM 105/125, S - Specify
⑦: ASE blocked	F - Forward, B - Backward
⑧: Fiber Length	1 - 1.0 m, S - Specify
⑨: Power Type	P - Pulse application, C - Continuous wave