1051nm high power isolator bandpass Filter hybrid device

Product Description

1051nm 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-1051-5-B

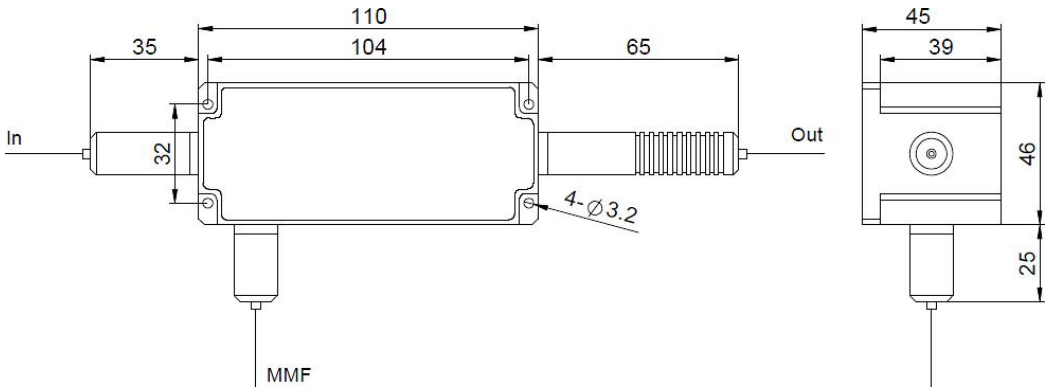
Application area

Ultrafast fiber laser、 MOPA laser、 Fiber optic sensor

Core parameters

Wavelength	Operating Power
1051nm	10W

Dimension Drawing



General Parameters

Parameters

Parameter	Unit	Min.	Typical	Max.
Central wavelength (λc)	nm	1049	1053	1064
Min. Passband bandwidth 23 ℃ @ -0.5dB	nm	5	5	8
Max. Cutoff bandwidth 23 ℃ @ -25 dB	nm	18	18	22
Min. isolation λc,23 ℃, all polarization states(Output -Input)	dB	26		
Max. Insertion loss 23 ℃(Input - Output)	dB	0.8		
Max. Insertion loss 23 ℃(Input -MMF)	dB	0.8		
Min. Return loss(Input/Output)	dB	50/50		
Max. Polarization-dependent loss 23 ℃(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	℃	10to +50		
Storage temperature	℃	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