

Optizone PM Isolator WDM Hybrid

Features

- Pump / Signal Multiplexing
- Low Insertion Loss
- Low Cost
- High Extinction Ratio

Applications

- EDFAs
- Fiber Lasers
- Fiber Optical Test Equipment

Specifications

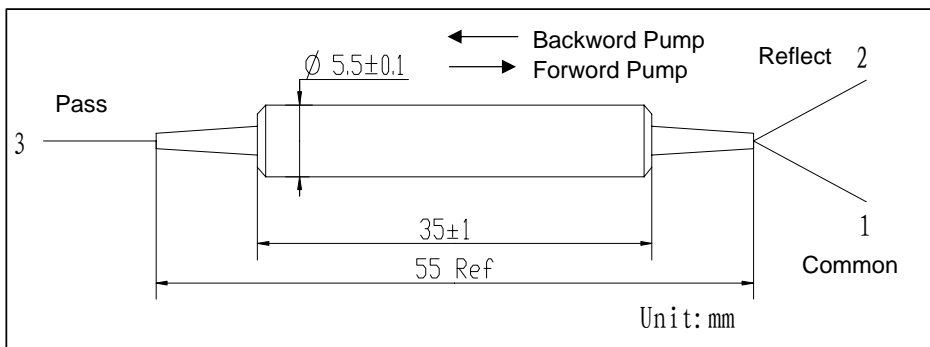
Parameters	Unit	Values		
		Single Stage	Dual Stage	
Stage		Single Stage	Dual Stage	
Pass Band	Signal Wavelength Range	nm	1530~1580	
	Typ. Insertion Loss@P→C or C→P	dB	0.6	0.8
	Max. Insertion Loss@P→C or C→P	dB	0.8	1.0
	Typ. Peak Signal Isolation, at 23°C	dB	40	55
	Min. Signal Isolation, at 23°C (1550±15 for S.Stage)	dB	30	48
	Min. Extinction Ratio (only for F-Type)	dB	23	
	Min. Extinction Ratio (only for B-Type)	dB	20	
Reflect Band	Wavelength Range	nm	960~990 or 1460-1490	
	Typ. Insertion Loss@R→C	dB	0.3(for 1480nm pump);0.4(for 980nm pump)	
	Max. Insertion Loss@R→C	dB	0.5(for 1480nm pump);0.6(for 980nm pump)	
Min. Return Loss	dB	50		
Max. Optical Power (CW)	mW	300		
Max. Tensile Load	N	5		
Fiber Type		PM 1550nm panda fiber on Common & Pass ports, HI 1060(for 980nm Pump) or SMF-28e fiber(for 1480nm Pump) on Reflect port		
Operating Temperature	°C	-5 to +70		
Storage Temperature	°C	-40 to +85		

*Above specification are for device without connector

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower

*The signal path is aligned to slow axis.

Package Dimensions



Ordering Information

PMIWDM-①①①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①①①: Signal & Pump Wavelength
 5598 - 1550nm signal/980nm pump
 5548 - 1550nm Signal/1480nm pump

④: Axis Alignment
 F - Fast Axis Blocked
 B - Both Axis Working

⑥⑥⑥: Fiber Jacket
 B - 250um Bare Fiber
 L - 900um Loose Tube
 S - Specify

②: Pump Type
 F - Forward Pump
 B - Backward Pump

⑤⑤⑤ : Connector Type
 1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 S - Specify
 N - None

⑦: Fiber Length
 0.8 - 0.8m
 S - Specify

③: Stage
 S - Single Stage
 D - Dual Stage