

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	
Stage		Single Stage	Dual Stage
Pass Band	Signal Wavelength Range	1530~1580	
	Typ. Insertion Loss@P→C or C→P	0.6	0.8
	Max. Insertion Loss@P→C or C→P	0.8	1.0
	Typ. Peak Signal Isolation, at 23°C	40	55
	Min. Signal Isolation, at 23°C (1550±15 for S Stage)	30	48
	Min. Extinction Ratio (only for F-Type)	23	
	Min. Extinction Ratio (only for B-Type)	20	
Reflect Band	Wavelength Range	960~990 or 1460-1490	
	Typ. Insertion Loss@R→C	0.3(for 1480nm pump);0.4(for 980nm pump)	
	Max. Insertion Loss@R→C	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	

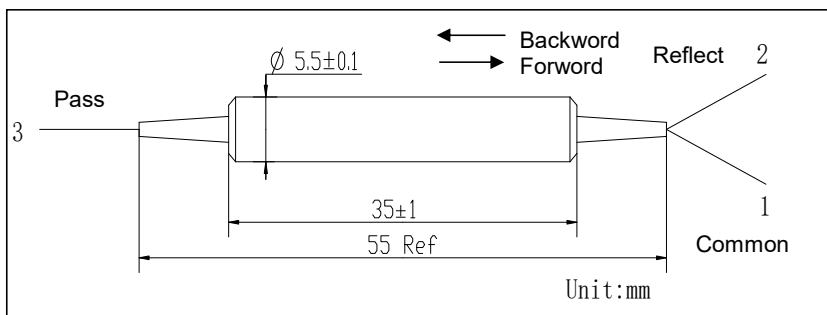
*Above specification are for device without connector

*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.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PMIWDM-①①①①-②-③-④-⑤⑤-⑥⑥⑥-⑦⑦⑦-⑧-⑨⑨-⑩⑩

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

⑤⑤: Handling Power
 0.3 - 300mW
 S - Specify

⑧: Fiber Length
 0.8 - 0.8m
 S - Specify

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

⑥⑥⑥: Connector Type on Port 1, 2 & 3
 1A - FC/UPC
 2A - FC/APC
 3D - SC/UPC
 4D - SC/APC
 N - None
 S - Specify

⑨⑨: Fiber Type
 04A - PM 1550 for 1/3,
 Hi 1060 for 2
 21A - PM 1550 for 1/3,
 SMF-28e for 2
 09A - PM 1550

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

⑦⑦⑦: Fiber Jacket on Port 1, 2 & 3
 B - 250um Bare Fiber
 C - 900um Loose Tube(Red)
 D - 900um Loose Tube(Blue)
 S - Specify

⑩⑩: Package
 01 - Ø5.5x35mm