

Optizone High Power PM Isolator WDM Hybrid 1530~1565nm

Features

Pump / Signal Multiplexing
 Low Insertion Loss
 Low Cost
 High Extinction Ratio
 High Power Handling Capability

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	1530~1565	
	Typ. Insertion Loss@P→C or C→P	0.7	0.8
	Max. Insertion Loss@P→C or C→P	0.9	1.0
	Typ. Peak Signal Isolation, at 23°C	40	55
	Min. Signal Isolation, at 23°C	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	0.5(for 1480nm pump); 0.6(for 980nm pump)	
	Max. Insertion Loss@R→C	0.7(for 1480nm pump); 0.8(for 980nm pump)	
Min. Return Loss	dB	50	
Max. Optical Power (CW)	W	0.5 , 1 , 3 , 5 or Specify	
Max. Peak Power for ns Pulse	kW	10	
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	

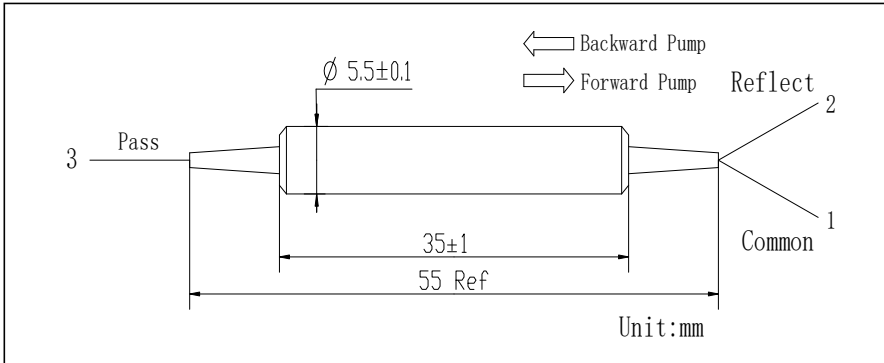
*Above specification are for device without connector

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower , ER will be 2dB lower and optical power is only 1000mW (CW) .

*The signal path is aligned to slow axis.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPMIWDM-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
 01 - 1W
 03 - 3W
 SS - 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
 05A - PM 1550 for 1/3,
 PM 980 for 2
 06A - PM 1550 for 3,
 PM 980 for 1&2
 04A - PM 1550 for 1/3,
 Hi 1060 for 2
 21A - PM 1550 for 1/3,
 SMF-28e for 2

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

⑦⑦⑦: Fiber Jacket on Port 1, 2 & 3
 B - 250um Bare Fiber

⑩⑩: Package Dimensions