

Optizone High Power Isolator WDM Hybrid 1530~1565nm

Features

- Pump / Signal Multiplexing
- Low Insertion Loss
- Low Cost
- High Reliability

Applications

- EDFAs
- Fiber Lasers
- Fiber Optical Test Equipment
- R&D

Specifications

Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Pass Band	Signal Wavelength Range	1530~1565	
	Max. Insertion Loss	0.9	1.0
	Typ. Insertion Loss	0.7	0.8
	Typ. Peak Signal Isolation	40	55
	Min. Signal Isolation at 23°C	28	45
	Max. PDL	0.1	0.15
Reflect Band	Wavelength Range	960~990 or 1460-1490	
	Max. Insertion Loss@R→C	0.7 (for 1480nm pump); 0.8 (for 980nm pump)	
	Typ. Insertion Loss@R→C	0.5 (for 1480nm pump); 0.6 (for 980nm pump)	
	Max. PDL	0.1	
Min. Return Loss	dB	50	
Max. Optical Power (CW)	W	1, 3, 5 or Specify	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type		SMF-28e 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	

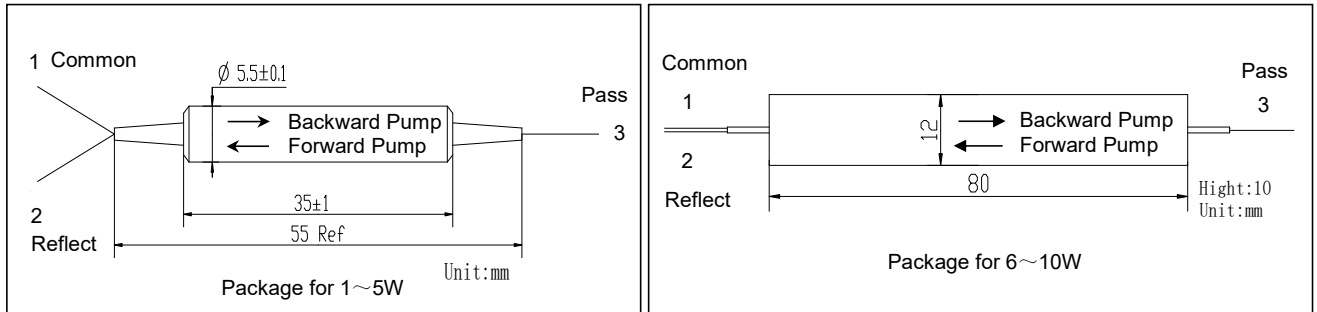
*PMD<0.1ps is available. Please refer to below ordering information.

*Above specification are for device without connector.

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

*For pulse application please discuss with Optizone.

Package Dimensions



Ordering Information

HPIWDM-①①①①-②-③-④-⑤⑤-⑥⑥⑥-⑦⑦⑦-⑧-⑨⑨-⑩⑩

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

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

③: Stage
 S - Single Stage
 D - Dual Stage

④: PMD
 1 - 0.1ps max.
 2 - Refer to above Spec.

⑤⑤: Handling Power
 01 - 1W
 03 - 3W
 05 - 5W
 SS - Specify

③③③: Connector Type on Port 1, 2 & 3
 1A - FC/UPC
 2A - FC/APC(Step)
 3A - SC/UPC
 N - None
 S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3
 B - 250um Fiber

⑧: Fiber Length
 08 - 0.8m
 S - Specify

⑨⑨: Fiber Type
 01-SMF-28e
 03 Pump端 Hi1060, others SMF-28e
 S - Specify

⑩⑩: Package Dimensions
 01 - Ø5. 5x35
 02 - Ø5. 5x40
 03 - Ø5. 5x50