

Isolator/Filter Wavelength Division Multiplexer Hybrid 980/1550nm



Features

All Fiber Construction
High Reliability
Outstanding Optical Performance

Applications

Fiber Optical Test Equipments
EDFAs
WDM Networks
Fiber Lasers

Specifications

Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530-1580	
	Typ. Insertion Loss	dB	0.6	0.8
	Max. Insertion Loss	dB	0.8	1.0
	Typ. Peak Isolation	dB	40	55
	Min. Isolation at 23°C (1550±15 for S. Stage, 1550±30 for D. Stage)	dB	30	45
	Max. PDL	dB	0.1	0.15
	Max. PMD	ps	0.25 ¹	0.1
Reflection Band	Wavelength Range	nm	950-1010	
	Typ. Insertion Loss@C→R	dB	0.3	
	Max. Insertion Loss@C→R	dB	0.5	
	Max. PDL	dB	0.1	
Min. Return Loss	dB	50		
Max. Thermal Stability	dB/°C	0.005		
Max. Optical Power (CW)	mW	500		
Max. Tensile Load	N	5		
Fiber Type		SMF-28e Fiber on Pass Port & HI 1060 Fiber on Reflect & Common Ports		
Operating Temperature	°C	-5 to +70		
Storage Temperature	°C	-40 to +85		

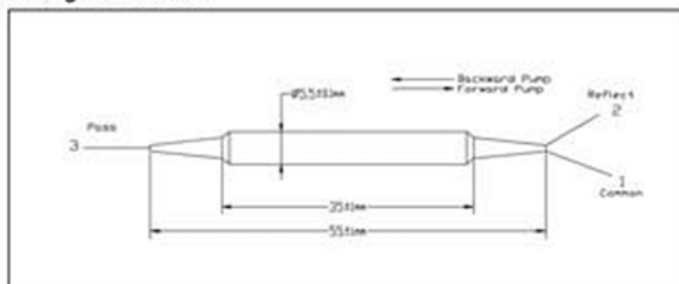
¹PMD<0.1ps is available. Please refer to below ordering information.

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

*SMF-28e is used for Pass Port and HI 1060 is used for Reflect and Common Port.

Package Dimensions



Ordering Information

IWDM-①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①: Wavelength

98 - 1530-1580nm Pass / 950-1010nm Reflect

②: Stage

S - Single Stage

D - Dual Stage

③: Pump Type

F - Forward Pump

B - Backward Pump

④: PMD

1 - 0.1ps max.

2 - Refer to above Spec.

⑤⑤⑤: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑦: Fiber Length

1 - 1.0m

S - Specify

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify