

Isolator/Filter Wavelength Division Multiplexer Hybrid 1310/1550 or 1480/1550

Features

All Fiber Construction
 High Reliability
 Outstanding Optical Performance

Applications

Fiber Optical Test Equipment
 EDFA
 WDM Network
 Fiber Lasers

Specifications

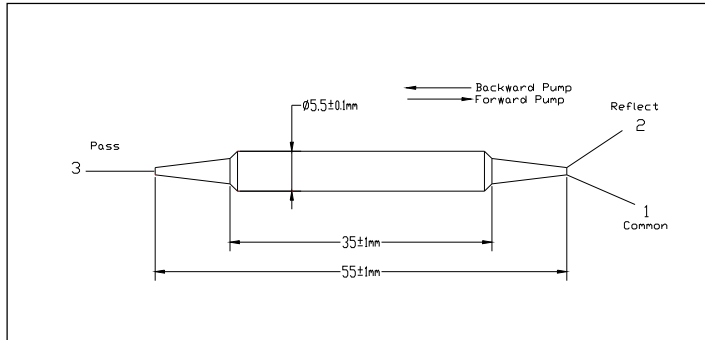
Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530-1580	
	Typ. Peak Isolation	dB	40	55
	Min. Isolation at 23°C (1550±15 for S. Stage, 1550±30 for D. Stage)	dB	30	45
	Max. Insertion Loss@C→P	dB	0.8	1.0
	Typ. Insertion Loss@C→P	dB	0.5	0.7
	Max. PDL	dB	0.1	0.15
	Max. PMD	ps	0.25 ¹	0.1
Reflection Band	Wavelength Range	nm	1270-1350 or 1450-1490	
	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		
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.

Package Dimensions



Ordering Information

IWDM-①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①: Wavelength

31 - 1530-1580nm Pass/1270-1350nm Reflect
 48 - 1530-1580nm Pass/1450-1490nm 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

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3

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

⑦: Fiber Length

1 - 1.0m
 S - Specify