

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

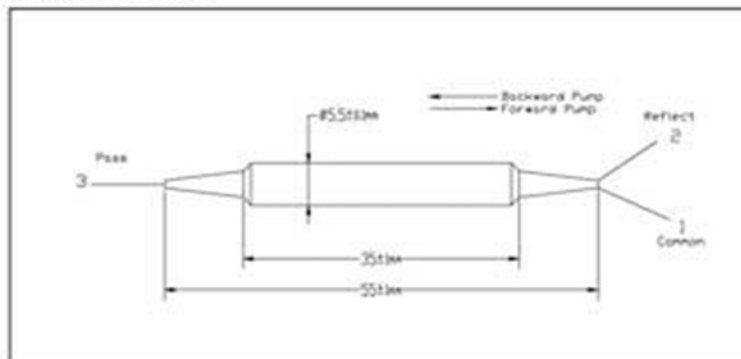
Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530-1580	
	Typ. Peak Isolation	dB	40	55
	Min. Isolation at 23°C (1550±15 for S. Stage, 1550±30 for D. Stage)	dB	30	45
	Max. Insertion Loss@C→P	dB	0.8	1.0
	Typ. Insertion Loss@C→P	dB	0.5	0.7
	Max. PDL	dB	0.1	0.15
	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-①①-②③-④⑤⑤⑤-⑥⑥⑥⑦

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