

# Dense Wavelength Division Multiplexer

## Features

Wide Pass Band  
 Low Insertion Loss  
 High Return Loss  
 Excellent Environmental Stability

## Applications

DWDM Systems  
 Fiber Lasers  
 Research

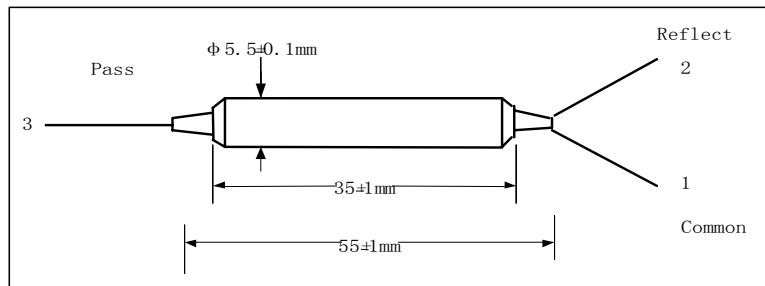
## Specifications

Parameters		Unit	Values	
Filter Type			200GHz	100GHz
Pass Band	Center Wavelength CWL	nm	ITU Grid	
	Pass Band	nm	±0.25	±0.11
	Max. Insertion Loss at C→P	dB	0.8	1.0
	Typ. Insertion Loss at C→P	dB	0.5	0.7
	Min. Channel Isolation at C→P	dB	25	25
	Typ. Channel Isolation at C→P	dB	30	30
Reflection Band	Max. Insertion Loss at C→R	dB	0.5	0.5
	Typ. Insertion Loss at C→R	dB	0.3	0.3
	Min. Channel Isolation at C→R	dB	12	12
	Typ. Channel Isolation at C→P	dB	14	14
Max. PDL		dB	0.1	0.1
Typ. PDL		dB	0.05	0.05
Min. Directivity		dB	45	45
Min. Return Loss		dB	50	50
Center Wavelength Stability		nm/°C	≤0.002	
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	

\*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

**ADWDM-①-②②-③③③-④④④-⑤**

①: Channel Spacing

1 - 100 GHz

2 - 200 GHz

②②: ITU Grid

③③③: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0m

S - Specify