

Dense Wavelength Division Multiplexer

Features

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

Applications

DWDM Systems
 Fiber Lasers
 Research

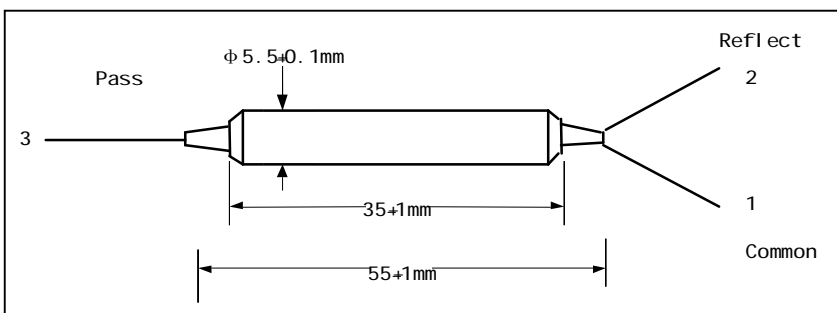
Specifications

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

DWDM-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