

PRODUCT INFORMATION SHEET

Dense Wavelength Division Multiplexer (DWDM Series)

The Dense Wavelength Division Multiplexer series are designed and manufactured to Telcordia standard and ITU standard. The devices use environmentally stable Thin Film Filters and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation and excellent environmental stability. They can be used individually to perform single channel add or drop function or can be cascaded into sequence for multi-channel applications in DWDM systems.

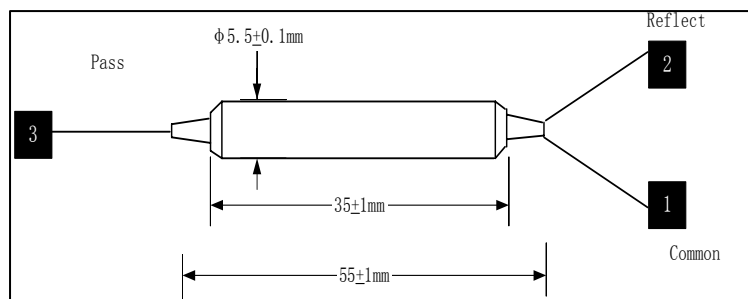
Specifications

Parameters		Unit	Values	
Filter Type			200GHz	100GHz
Pass Band	Center Wavelength CWL	nm	ITU Grid	
	Min.Bandwidth@0.5dB	nm	0.5	0.2
	Typ.Bandwidth@0.5dB	nm	0.7	0.4
	Max. Insertion Loss@C→P	dB	1.0	1.2
	Typ. Insertion Loss@C→P	dB	0.8	1.0
	Min. Channel Isolation@C→P	dB	25	25
	Typ. Channel Isolation@C→P	dB	30	30
Reflection Band	Max. Insertion Loss@C→R	dB	0.5	0.5
	Typ. Insertion Loss@C→R	dB	0.3	0.3
	Min. Channel Isolation@C→R	dB	12	12
	Typ. Channel Isolation@C→P	dB	14	14
Max. PDL		dB	0.1	0.1
Typ. PDL		dB	0.05	0.05
Min. Directivity		dB	50	50
Min.Return Loss		dB	50	50
Center Wavelength Stability		nm/°C	≤0.002	
Thermal Stability		dB/°C	≤0.005	
Max. Optical Power		mW	300	
Fiber Type			SMF-28 Fiber	
Max. Tensile Load		N	5	
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, RL will be 5dB lower.

Package Dimensions



Ordering Information

DWDM-①-②②-③-④-⑤

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|-------------------|-------------|------------------|----------------------|--------------|
| ① Channel Spacing | ②② ITU Grid | ③ Connector Type | ④ Fiber Type | ⑤ Fiber Type |
| 1 - 100 GHz | | N - None | B - 250um bare | 1 - 1.0 m |
| 2 - 200 GHz | | S - Specify | L - 900um loose tube | S -Specify |